

OPERATOR'S MANUAL



Model RD30 & RC25 Remote Slush Freezer

Original Operating Instructions

051060- M

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Note: Continuing research results in steady improvements; therefore, information in this manual is subject to change without notice.

Note: Only instructions originating from the factory or its authorized translation representative(s) are considered to be the original set of instructions.

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051060- M

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Section 1

To the Installer

The following information has been included in the manual as safety and regulatory guidelines. For complete installation instructions, please see the Installation Checklist.

Installer Safety



In all areas of the world, equipment should be installed in accordance with existing local codes. Please contact your local authorities if you have any questions.

Care should be taken to ensure that all basic safety practices are followed during the installation and servicing activities related to the installation and service of Taylor equipment.

- Only authorized Taylor service personnel should perform installation and repairs on the equipment.
- Authorized service personnel should consult OSHA Standard 29CFR1910.147 or the applicable code of the local area for the industry standards on lockout/tagout procedures before beginning any installation or repairs.
- Authorized service personnel must ensure that the proper PPE is available and worn when required during installation and service.
- Authorized service personnel must remove all metal jewelry, rings, and watches before working on electrical equipment.



The main power supply(s) to the freezer must be disconnected prior to performing any repairs. Failure to follow this instruction may result in personal injury or death from electrical shock or hazardous moving parts as well as poor performance or damage to the equipment.

Note: All repairs must be performed by an authorized Taylor Service Technician.



This unit has many sharp edges that can cause severe injuries.

Site Preparation

Review the area the unit is to be installed in before uncrating the unit, making sure that all possible hazards the user or equipment may come into have been addressed.

For Indoor Use Only: This unit is designed to operate indoors, under normal ambient temperatures of 70°-75°F (21°-24°C). The freezer has successfully performed in high ambient temperatures of 104°(40°C) at reduced capacities.



This unit must **NOT** be installed in an area where a water jet or hose can be used. **NEVER** use a water jet or hose to rinse or clean the unit. Failure to follow this instruction may result in electrocution.



This unit must be installed on a level surface to avoid the hazard of tipping. Extreme care should be taken in moving this equipment for any reason. Two or more persons are required to safely move this unit. Failure to comply may result in personal injury or equipment damage.

Uncrate the unit and inspect it for damage. Report any damage to your Taylor Distributor.

This piece of equipment is made in the USA and has USA sizes of hardware. All metric conversions are approximate and vary in size.

Electrical Connections

In the United States, this equipment is intended to be installed in accordance with the National Electrical Code (NEC), ANSI/NFPA 70-1987. The purpose of the NEC code is the practical safeguarding of persons and property from hazards arising from the use of electricity. This code contains provisions considered necessary for safety. In all other areas of the world, equipment should be installed in accordance with the existing local codes. Please contact your local authorities.



FOLLOW YOUR LOCAL ELECTRICAL CODES!

Each unit requires one power supply for each data label on the unit. Check the data label(s) on the freezer for branch circuit overcurrent protection or fuse, circuit ampacity, and other electrical specifications. Refer to the wiring diagram provided inside of the electrical box for proper power connections.



CAUTION: THIS EQUIPMENT MUST BE PROPERLY GROUNDED! FAILURE TO DO SO CAN RESULT IN SEVERE PERSONAL INJURY FROM ELECTRICAL SHOCK!



This unit is provided with an equipotential grounding lug that is to be properly attached to the rear of the frame by the authorized installer. The installation location is marked by the equipotential bonding symbol (5021 of IEC 60417-1) on both the removable panel and the equipment's frame.



- Stationary appliances which are not equipped with a power cord and a plug or another device to disconnect the appliance from the power source must have an all-pole disconnecting device with a contact gap of at least 3 mm installed in the external installation.

- Appliances that are permanently connected to fixed wiring and for which leakage currents may exceed 10 mA, particularly when disconnected or not used for long periods, or during initial installation, shall have protective devices such as a GFI, to protect against the leakage of current, installed by the authorized personnel to the local codes.
- Supply cords used with this unit shall be oil-resistant, sheathed flexible cable not lighter than ordinary polychloroprene or other equivalent synthetic elastomer-sheathed cord (Code designation 60245 IEC 57) installed with the proper cord anchorage to relieve conductors from strain, including twisting, at the terminals and protect the insulation of the conductors from abrasion.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified person, in order to avoid a hazard.

Beater Rotation



Beater rotation must be clockwise as viewed looking into the freezing cylinder.

Note: The following procedures must be performed by an authorized Taylor service technician.

To correct the rotation on a three-phase unit, interchange any two incoming power supply lines at freezer main terminal block only.

To correct rotation on a single-phase unit, change the leads inside the beater motor. (Follow the diagram printed on the motor.)

Electrical connections are made directly to the splice box. The splice box is located behind the right side panel.

Refrigerant



In consideration of our environment, Taylor proudly uses only earth friendly HFC refrigerants. The HFC refrigerant used in this unit is R404A. This refrigerant is generally considered non-toxic and non-flammable, with an Ozone Depleting Potential (ODP) of zero (0).

However, any gas under pressure is potentially hazardous and must be handled with caution. NEVER fill any refrigerant cylinder completely with liquid. Filling the cylinder to approximately 80% will allow for normal expansion.



Use only R404A refrigerant that conforms to the AHRI standard 700 specification. The use of any other refrigerant may expose users and operators to unexpected safety hazards.



Refrigerant liquid sprayed onto the skin may cause serious damage to tissue. Keep eyes and skin protected. If refrigerant burns should occur, flush immediately with cold water. If burns are severe, apply ice packs and contact a physician immediately.



Taylor reminds technicians to be cautious of government laws regarding refrigerant recovery, recycling, and reclaiming systems. If you have any questions regarding these laws, please contact the factory Service Department.



WARNING: R404A refrigerant used in conjunction with polyolester oils is extremely moisture absorbent. When opening a refrigeration system, the maximum time the system is open must not exceed 15 minutes. Cap all open tubing to prevent humid air or water from being absorbed by the oil.

Refrigeration Charging and Line Construction

The dispensing unit is shipped with a refrigerant holding charge that is sufficient enough to prevent moisture contamination (8 oz./227 g. R404A). This holding charge will become part of the total system charge.

The condensing unit is shipped with the total amount of refrigerant required for a typical installation of 75 ft. or less with a single dispenser.

Set Up Procedures

Standard Fill Module

Step 1

Connect the product supply line to the 1/4" barbed fitting on the fill module. Adjust the fill system pressure to deliver product to the hopper at 1.5 to 2.5 oz. (42.5 to 70.9 g) per second. (Approximately 15 to 20 PSIG [103- 138 kPa] for most products.)

Step 2

Lubricate, assemble, sanitize and prime the dispenser as outlined in the Assembly section of this manual.

Step 3

Place the fill switch in the "ON" position. Allow the product to fill the cylinder and the hopper until the mix level float is satisfied.

Step 4

Place the power switch in the "AUTO" position.

Step 5

To observe the suction pressure, attach refrigeration gauges to the suction access fitting in the dispenser. Pressures should read approximately 32 psi. (221 kPa) for non- alcoholic application and 28 psi. (193 kPa) for alcoholic application.

Note: Connection to the *condensing* unit suction access can give an improper reading.

Step 6

Allow the dispenser to run until the condensing unit cycles off.

Step 7

If necessary, adjust viscosity to produce satisfactory product. Adjustments are made by turning the viscosity adjustment screw (located on the front panel) clockwise for a thicker product or counterclockwise for a thinner product.

Units Equipped With Post Mix Valve

Step 1

Connect syrup and water lines.

Note: Adjust the syrup supply pressure to maintain 60 PSIG. Water pressure minimum 40 PSIG, maximum 100 PSIG, may require regulated water supply.

Step 2

Turn the “FILL” switch in the front of the RD30 to the “ON” position.

Step 3

Press and hold the area on the front of the post mix valve marked “PUSH” to prime the fill system. Priming is required until the B.I.B. switch and the float switch are both satisfied. Priming is complete when product will flow without pressing the “PUSH” button.

Step 4

To adjust either the syrup or water flow rate, turn the flow adjustment screw clockwise to increase flow, or counterclockwise to decrease flow. Adjust the screws until the desired brix is obtained. The flow rate should be 1.5 to 2.5 oz. (43 fl. ml.) per second.

Note: Both syrup and water flow adjustment screws are located inside the post mix valve cover. Viewed from the front, the syrup adjustment screw is on the right and water adjustment is on the left.

Section 2

To the Operator

The freezer you have purchased has been carefully engineered and manufactured to give you dependable operation. The Taylor Model RD30/RC25, when properly operated and cared for, will produce a consistent quality product. Like all mechanical products, this machine will require cleaning and maintenance. A minimum amount of care and attention is necessary if the operating procedures outlined in this manual are followed closely.

This Operator's Manual should be read before operating or performing any maintenance on your equipment.

Your Model RD30/RC25 will NOT eventually compensate and correct for any errors during the set-up or filling operations. Thus, the initial assembly and priming procedures are of extreme importance. It is strongly recommended that all personnel responsible for the equipment's operation thoroughly read this manual.

If you require technical assistance, please contact your local authorized Taylor Distributor.

Note: Your Taylor warranty is valid only if the parts are authorized Taylor parts, purchased from the local authorized Taylor Distributor, and only if all required service work is provided by an authorized Taylor service technician. Taylor reserves the right to deny warranty claims on units or parts if non-Taylor approved parts or incorrect refrigerant were installed in the unit, system modifications were performed beyond factory recommendations, or it is determined that the failure was caused by abuse, misuse, neglect, or failure to follow all operating instructions. For full details of your Taylor Warranty, please see the Limited Warranty section in this manual.

Note: Constant research results in steady improvements; therefore, information in this manual is subject to change without notice.



If the crossed out wheeled bin symbol is affixed to this product, it signifies that this product is compliant with the EU Directive as well as other similar legislation in effect after August 13, 2005. Therefore, it must be collected separately after its use is

completed, and cannot be disposed as unsorted municipal waste.

The user is responsible for returning the product to the appropriate collection facility, as specified by your local code.

For additional information regarding applicable local laws, please contact the municipal facility and/or local distributor.

Compressor Warranty Disclaimer

The refrigeration compressor(s) on this unit are warranted for the term stated in the Limited Warranty section in this manual. However, due to the Montreal Protocol and the U.S. Clean Air Act Amendments of 1990, many new refrigerants are being tested and developed, thus seeking their way into the service industry. Some of these new refrigerants are being advertised as drop-in replacements for numerous applications. It should be noted that in the event of ordinary service to this unit's refrigeration system, **only the refrigerant specified on the affixed data label should be used.** The unauthorized use of alternate refrigerants will void your Taylor compressor warranty. It is the unit owner's responsibility to make this fact known to any technician he employs.

It should also be noted that Taylor does not warrant the refrigerant used in its equipment. For example, if the refrigerant is lost during the course of ordinary service to this machine, Taylor has no obligation to either supply or provide its replacement either at billable or unbillable terms. Taylor does have the obligation to recommend a suitable replacement if the original refrigerant is banned, obsoleted, or no longer available during the five year warranty of the compressor.

Taylor will continue to monitor the industry and test new alternates as they are being developed. Should a new alternate prove, through our testing, that it would be accepted as a drop-in replacement, then the above disclaimer would become null and void. To find out the current status of an alternate refrigerant as it relates to your compressor warranty, call the local Taylor Distributor or the Taylor Factory. Be prepared to provide the Model/Serial Number of the unit in question.

Section 3

Safety

We at Taylor Company are concerned about the safety of the operator when he or she comes in contact with the freezer and its parts. Taylor has gone to extreme efforts to design and manufacture built-in safety features to protect both you and the service technician. As an example, warning labels have been attached to the freezer to further point out safety precautions to the operator.



IMPORTANT - Failure to adhere to the following safety precautions may result in severe personal injury or death. Failure to comply with these warnings may damage the machine and its components. Component damage will result in part replacement expense and service repair expense.



DO NOT operate the freezer without reading this Operator Manual. Failure to follow this instruction may result in equipment damage, poor freezer performance, health hazards, or personal injury.



This appliance is to be used only by trained personnel. It is not intended for use by children or people with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.



This unit is provided with an equipotential grounding lug that is to be properly attached to the rear of the frame by the authorized installer. The installation location is marked by the equipotential bonding symbol (5021 of IEC 60417-1) on both the removable panel and the equipment's frame.



DO NOT use a water jet to clean or rinse the freezer. Failure to follow these instructions may result in serious electrical shock.



- **DO NOT** operate the freezer unless it is properly grounded.
- **DO NOT** operate the freezer with larger fuses than specified on the freezer data label.
- All repairs must be performed by an authorized Taylor service technician.
- The main power supplies to the machine must be disconnected prior to performing any repairs.
- For Cord Connected Units: Only Taylor authorized service technicians or licensed electricians may install a plug or replacement cord on these units.
- Stationary appliances which are not equipped with a power cord and a plug or another device to disconnect the appliance from the power source must have an all-pole disconnecting device with a contact gap of at least 3 mm installed in the external installation.
- Appliances that are permanently connected to fixed wiring and for which leakage currents may exceed 10 mA, particularly when disconnected or not used for long periods, or during initial installation, shall have protective devices such as a GFI, to protect against the leakage of current, installed by the authorized personnel to the local codes.
- Supply cords used with this unit shall be oil-resistant, sheathed flexible cable not lighter than ordinary polychloroprene or other equivalent synthetic elastomer-sheathed cord (Code designation 60245 IEC 57) installed with the proper cord anchorage to relieve conductors from strain, including twisting, at the terminals and protect the insulation of the conductors from abrasion.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified person, in order to avoid a hazard.

Failure to follow these instructions may result in electrocution. Contact your local authorized Taylor Distributor for service.



- **DO NOT** allow untrained personnel to operate this machine.
- **DO NOT** operate the freezer unless all service panels and access doors are restrained with screws.
- **DO NOT** remove any internal operating parts (examples: freezer door, beater, scraper blades, etc.) unless all control switches are in the OFF position.

Failure to follow these instructions may result in severe personal injury to fingers or hands from hazardous moving parts.



This unit has many sharp edges that can cause severe injuries.

- **DO NOT** put objects or fingers in the door spout. This may contaminate the product and cause severe personal injury from blade contact.
- **USE EXTREME CAUTION** when removing the beater assembly. The scraper blades are very sharp.



Access to the service area of the unit is restricted to persons having knowledge and practical experience with the appliance, in particular as far as safety and hygiene are concerned.



This freezer must be placed on a level surface. Failure to comply may result in personal injury.



Cleaning and sanitizing schedules are governed by your state or local regulatory agencies and must be followed accordingly. Please refer to the cleaning section of this manual for the proper procedure to clean this unit.



This machine is designed to maintain product temperature under 41°F (5°C). Any product being added to this machine must be below 41°F (5°C). Failure to follow this instruction may result in health hazards and poor freezer performance.

For Indoor Use Only: This unit is designed to operate indoors, under normal ambient temperatures of 70° - 75°F (21° - 24°C). The freezer has successfully performed in high ambient temperatures of 104° (40°C) at reduced capacities.

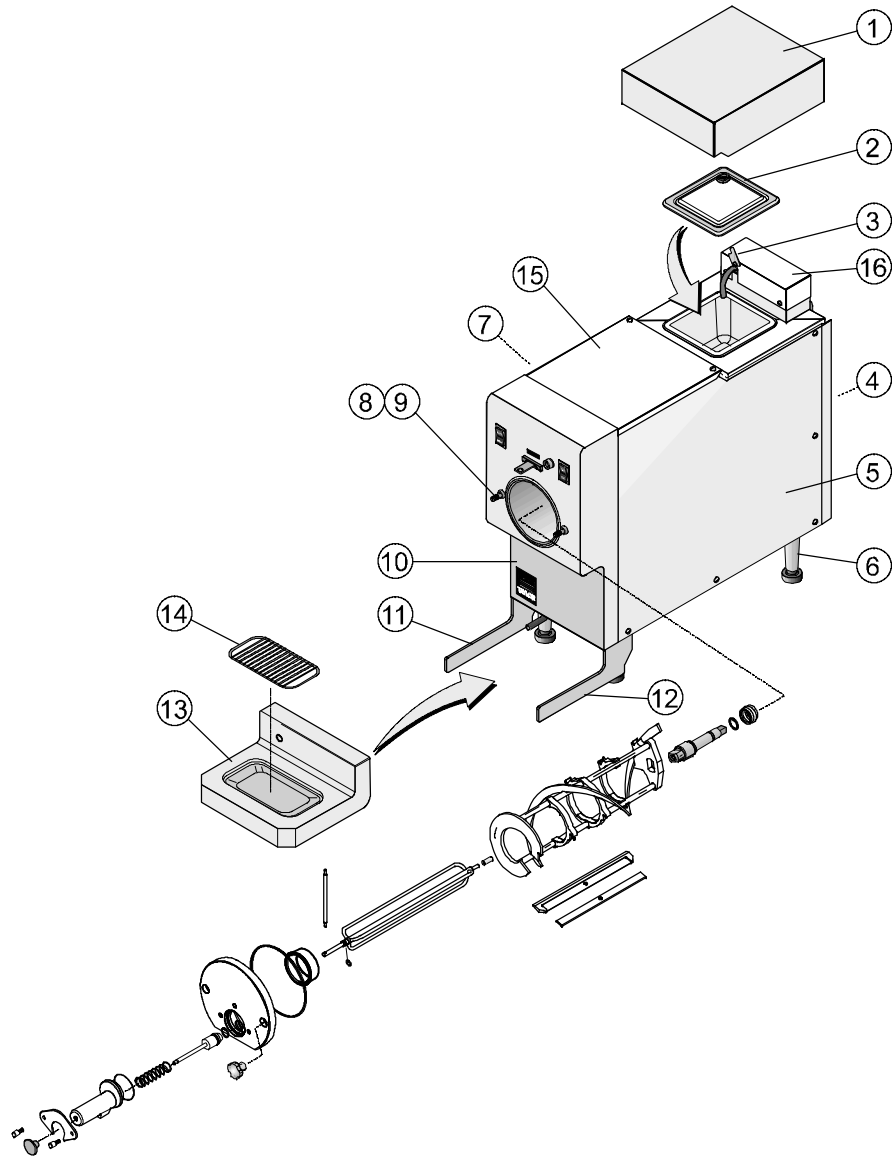
DO NOT run the machine without product. Failure to follow this instruction can result in damage to the machine.

NOISE LEVEL: Airborne noise emission does not exceed 78 dB(A) when measured at a distance of 1.0 meter from the surface of the machine and at a height of 1.6 meters from the floor.

Section 4

Operator Parts Identification

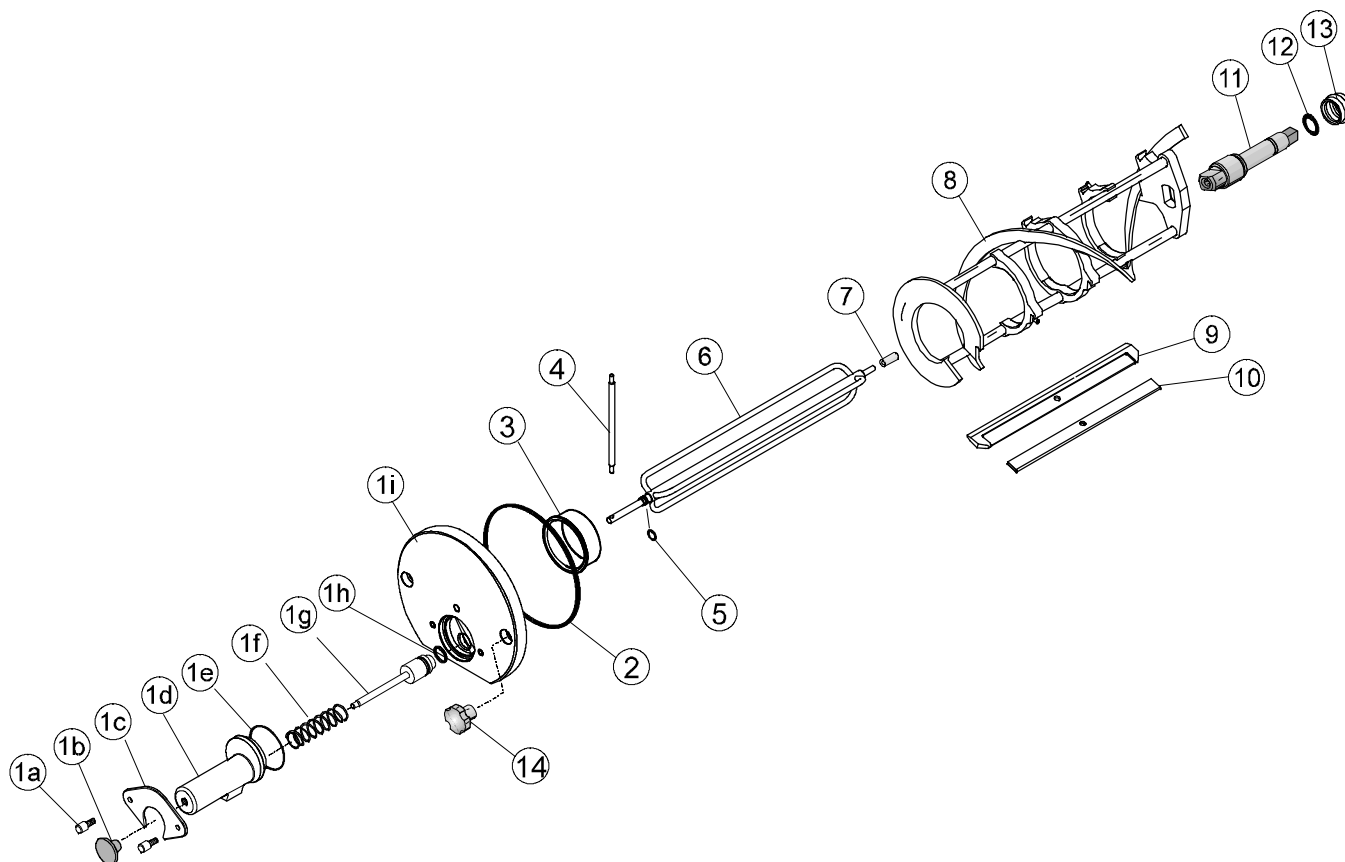
Model RD30



ITEM	DESCRIPTION	PART NO.
1	Cover- Rear	049201
2	Cover- Hopper	049081
3	Retainer- Clip	049419
4	Panel A.- Rear	X48983
5	Panel- Side- Right	048977
6	Leg A.- 4"- 3/8- 16 Stud w/Cap	X43408
7	Panel- Side- Left	048975
8	Stud- Freezer	034035

ITEM	DESCRIPTION	PART NO.
9	Washer- Freezer Stud	049032
10	Panel A.- Front	X49760
11	Support- Tray- Left	049056
12	Support- Tray- Right	049057
13	Tray A.- Drip	X49182
14	Shield- Splash	049203
15	Cover- Front- Upper	049162
16	Cover A.- Solenoid	X49396

Beater Door Assembly



ITEM	DESCRIPTION	PART NO.
1	Door Assembly- Complete	X48768
1a	Screw- 1/4- 20 x 9/16 Thumb	047632
1b	Knob- Draw Valve- Black Plastic	047358
1c	Plate- Draw Spout Mounting	049275
1d	Spout- Door Zero Waste	049276
1e	O- Ring- 2.375 OD x 1/16 W	046830
1f	Spring- Comp. - .845 x .055 x 3.5	047357
1g	Valve- Draw Zero Waste	047353
1h	O- Ring- 7/8 OD x .103 W	014402
1i	Door A.- Partial	X50172
2	O- Ring 5.5" OD x 5.234 ID x .13	049077
3	Bearing- Front	013116

ITEM	DESCRIPTION	PART NO.
4	Arm- Torque	014500
5	O- Ring .291 ID x .080 W	018550
6	Torque Assembly	X49022
7	Bearing- Guide	014496
8	Beater A.- 7 Qt.- 1 Pin Support	X46233
9	Blade- Scraper- Plastic	046237
10	Clip- Scraper Blade	046238
11	Shaft- Beater	035418
12	O- Ring 7/8 OD x .139 W	025307
13	Seal- Drive Shaft	032560
14	Nut- Stud	045644

Note: Optional Door Assembly X50654 has a larger draw valve, spout and door port for thick product.

Section 5

Important: To the Operator

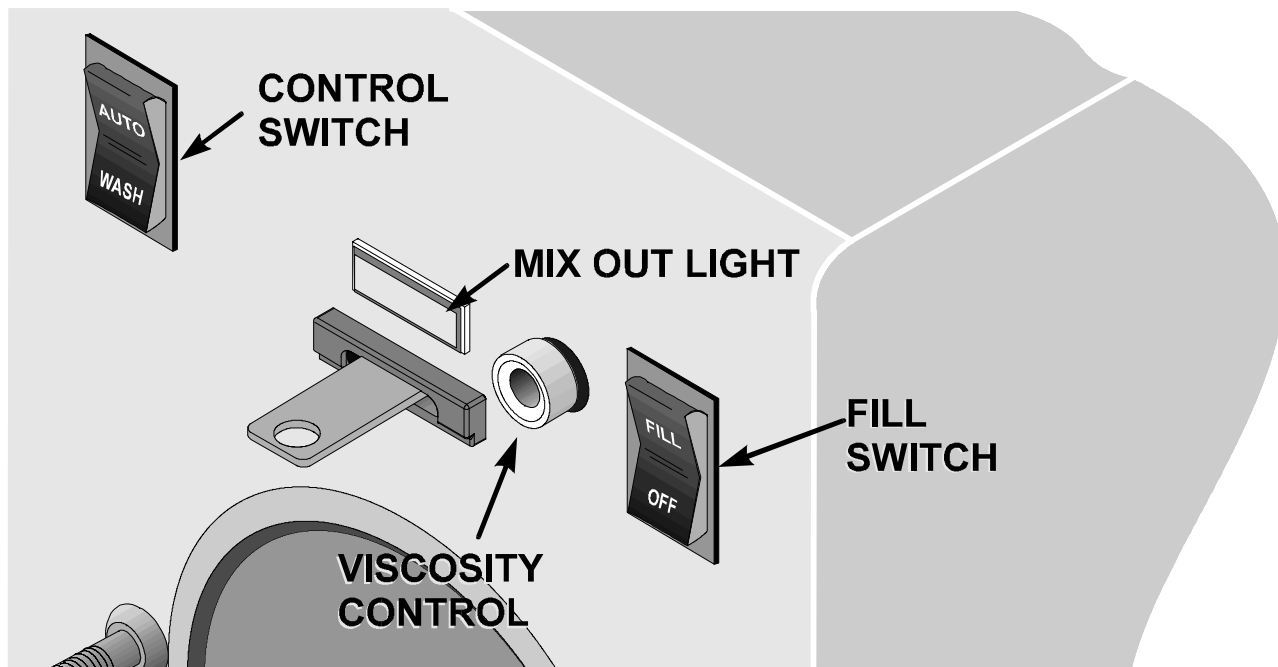


Figure 1

Control Switch

The control switch is located on the front of the machine. The center position is “OFF”. The down position is the “WASH” mode and activates the beater motor only. The up position is the “AUTO” mode. The “AUTO” mode activates the beater motor and enables refrigeration when the fill switch is in the “ON” position.

Mix Out Light

A mix out indicating light is located on the front panel. When the light is lit, it indicates that the hopper is empty and the mix supply must be replenished. When the indicator lights, refrigeration is automatically disabled to prevent component damage. The beater motor continues to run.

Fill Switch

The fill switch is located on the front of the machine. The “ON” position enables refrigeration when the control switch is in the “AUTO” position. The “ON” position enables the fill module to replenish and maintain product levels in the freezing cylinder and in the hopper. The “OFF” position terminates the fill function. The refrigeration system is disabled when the fill switch is in the “OFF” position.

Viscosity Control

The viscosity adjustment screw is located on the front of the unit. The viscosity (thickness) of the slush can be adjusted by turning the adjustment screw clockwise for a thicker product or counterclockwise for a thinner product.

Section 6

Operating Procedures

We begin our instructions at the point where the parts are disassembled and laid out to dry from the previous night's cleaning.

The following procedures will explain how to assemble the parts into the freezer, sanitize them, and prime the freezer with fresh product.

If you are disassembling the machine for the first time or need information to get to this starting point in our instructions, turn to "Disassembly" on page 19, and start there.

Assembly



MAKE SURE THE CONTROL SWITCH IS IN THE OFF POSITION. Failure to do so may result in personal injury or component damage.

Note: When lubricating parts, use an approved food grade lubricant (example: Taylor Lube HP). Every three months discard rubber parts and install new rubber parts.

Step 1

Install the beater drive shaft. Lubricate the o-ring groove. Slide the o-ring into the first groove on the drive shaft. Lubricate the groove, o-ring and shaft portion that comes in contact with the rear shell bearing on the beater drive shaft. **DO NOT** lubricate the square end of the drive shaft.

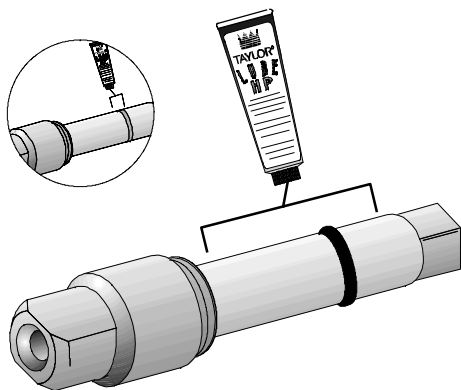


Figure 2

Slide the seal over the shaft until it snaps into the groove. Fill the inside portion of the seal with lubricant and evenly lubricate the flat side of the seal that fits onto the rear shell bearing.

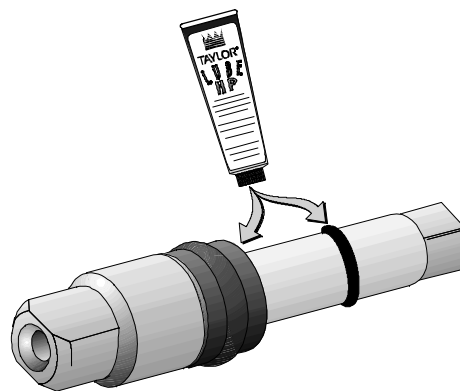


Figure 3

Install the drive shaft into the freezing cylinder, square end first. The drive shaft seal must fit securely over the rear shell bearing. Be certain the drive shaft fits into the drive coupling without binding.

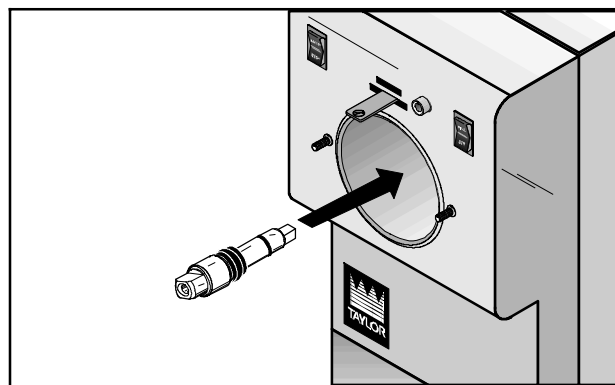


Figure 4

Step 2

Install the beater assembly. First check scraper blades for any nicks or signs of wear. If any nicks are present or if the blade is worn, replace both blades.



Figure 5

If blades are in good condition, install the scraper blade clip over the scraper blade. Place the rear scraper blade over the rear holding pin (knife edge to the outside). Holding the blade on the beater, turn it over and install the front blade the same way.

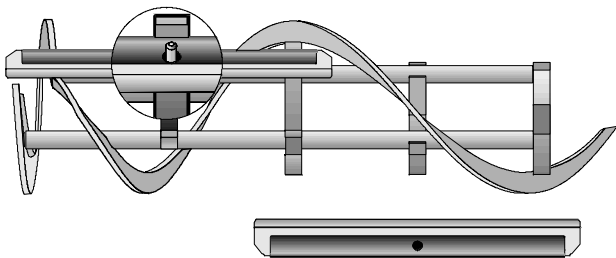


Figure 6

Holding the blades in position, insert the beater assembly into the freezing cylinder, and slide the assembly into position over the drive shaft. Turn the beater slightly to be certain that the beater is properly seated.

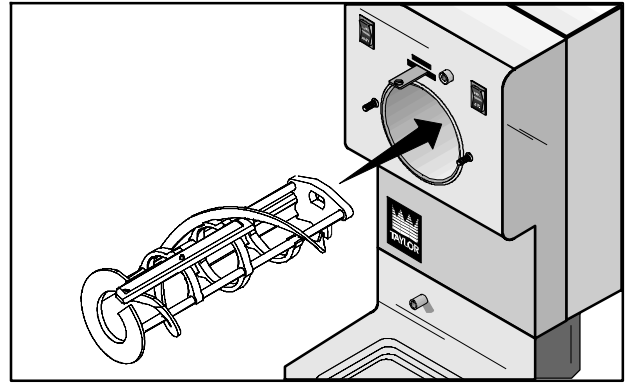


Figure 7

When in position, the beater will not protrude beyond the front of the freezing cylinder.

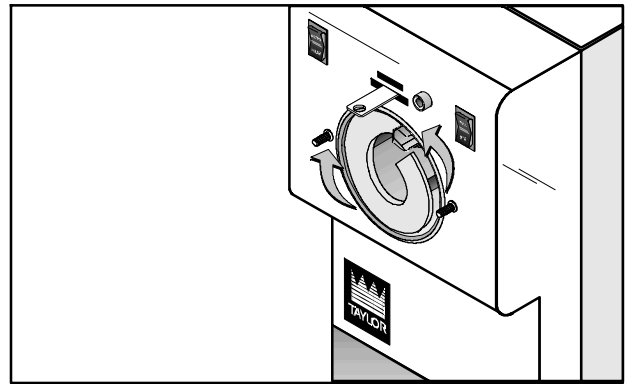


Figure 8

Step 3

Install the torque rotor. Install the plastic guide bearing on the short end of the torque rotor. Slide the o-ring into the groove on the long end of the torque rotor and lubricate the o-ring. **Do not** lubricate the guide bearing.

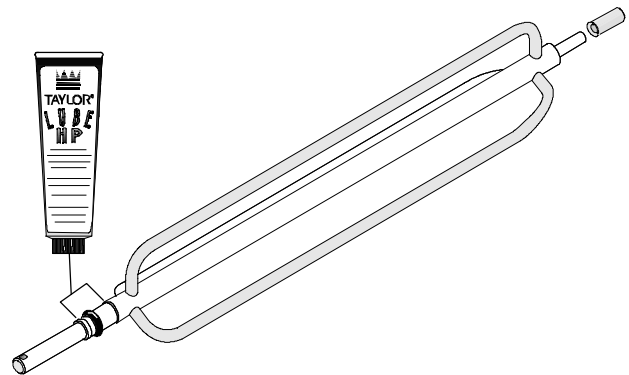


Figure 9

Insert the torque rotor (guide bearing end first) into the pilot hole in the center of the drive shaft. The hole in the torque rotor shaft should be rotated to the 12 o'clock position.

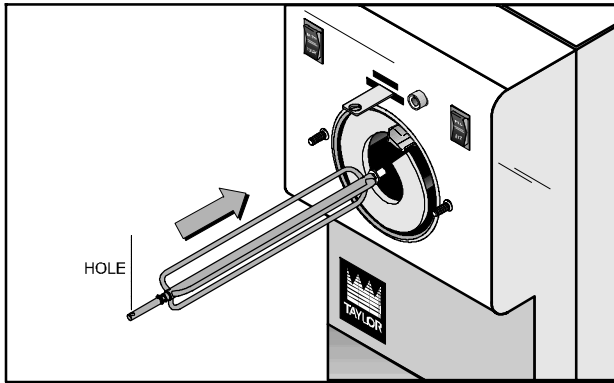


Figure 10

Step 4

Install the freezer door. Slide the draw valve o-ring into the groove on the draw valve and lubricate the o-ring.

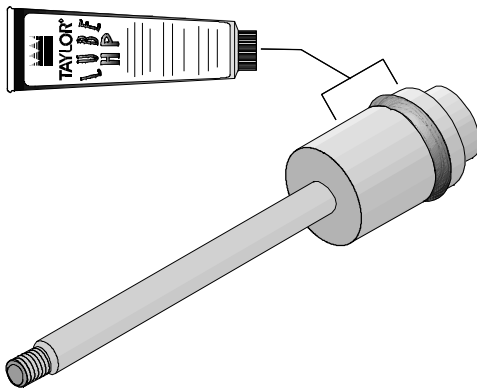


Figure 11

Place the draw valve spring over the shaft end on the draw valve.

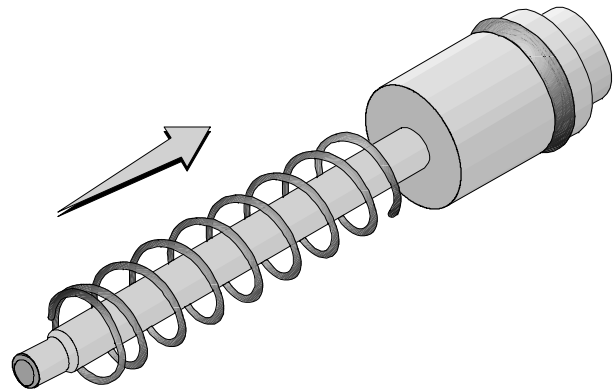


Figure 12

Insert the draw valve and spring into the door spout until the threaded end of the shaft passes through the hole in the end of the door spout. Thread the draw valve knob onto the end of the draw valve shaft.

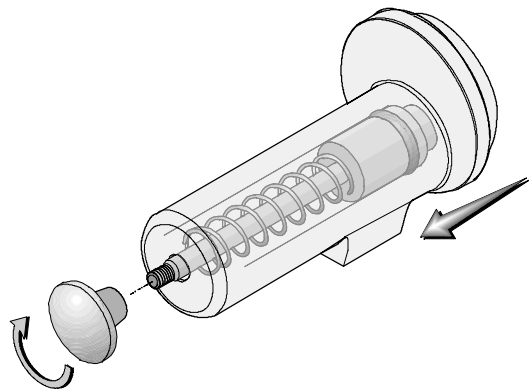


Figure 13

Place the door spout seal o-ring into the groove in the door and lubricate the components.

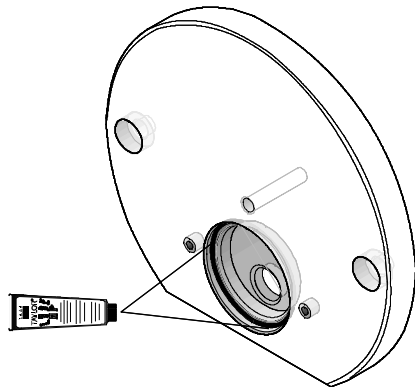


Figure 14

Align the draw spout assembly with the door. Place the draw spout mounting plate over the draw spout assembly and align the holes.

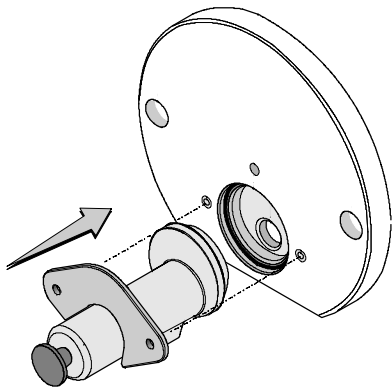


Figure 15

Using the thumb screws, fasten the draw spout assembly and draw spout mounting plate to the door.

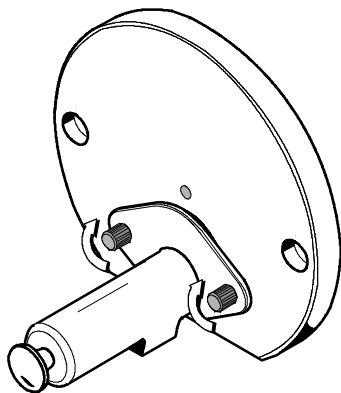


Figure 16

Place the large o-ring into the groove on the back side of the door and lubricate the installed o-ring.

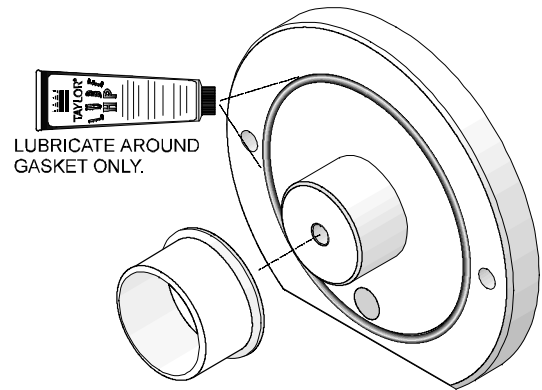


Figure 17

Place the door bearing onto the hub on the back side of the door with the flanged end of the bearing facing the door.

Note: Do not lubricate the door bearing.

Step 5

Install the freezer door. Position the door on the freezer studs at the front of the freezing cylinder. Press the door firmly into place.

Note: The torque rotor will protrude through the hole in the center of the door.

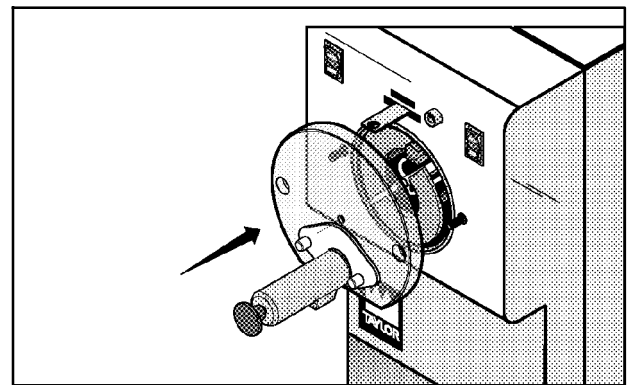


Figure 18

Step 6

Install the handscrews on the studs. Tighten the screws equally, using a criss-cross pattern. **Do not overtighten the handscrews.**

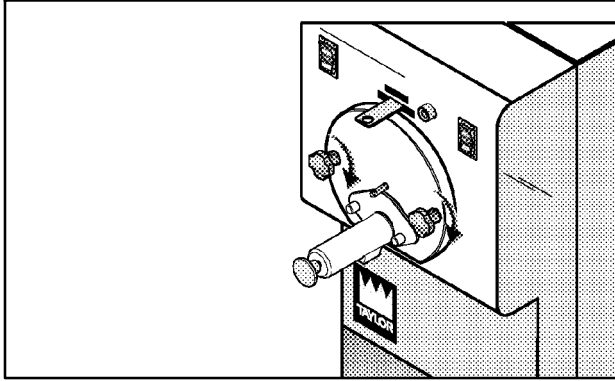


Figure 19

Step 7

Install the torque arm. Position the torque arm by inserting it through the slot in the torque switch arm and down into the hole in the torque rotor which protrudes from the door. Verify proper installation by moving the torque rotor back and forth to be sure it moves freely and easily.

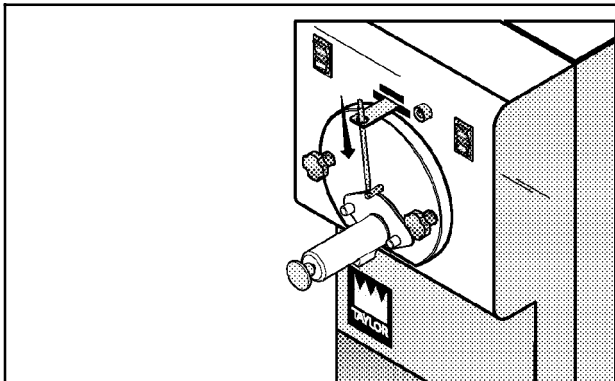


Figure 20

Step 8

Install the front drip tray and splash shield. Install the front drip tray and the splash shield under the door spout.

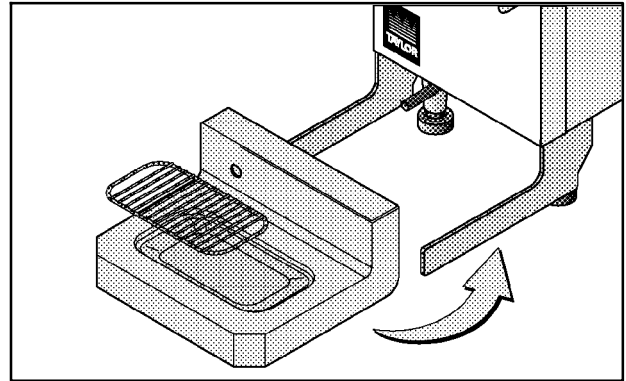


Figure 21

Sanitizing

Step 1

Fill System. Disconnect the product supply lines from the mix delivery container. Prepare a pail of approved 100 PPM sanitizing solution (examples: 2- 1/2 gal. [9.5 liters] of Kay-5® or 2 gal. [7.6 liters] of Stera- Sheen®). **USE WARM WATER AND FOLLOW THE MANUFACTURER'S SPECIFICATIONS.** Pour the solution into a clean, empty mix delivery container. Connect the container to the mix delivery line.



Figure 22

Place the control switch in the "WASH" position. Press the fill switch to activate the mix solenoid. The mix solenoid will remain open until the mix level float switch is satisfied. Drain sanitizer from the freezing cylinder and repeat this procedure until full strength solution is dispensed from the mix delivery container. Make sure all sanitizer is removed from the fill system. Place the fill switch in the "OFF" position and drain any remaining solution from the freezing cylinder.

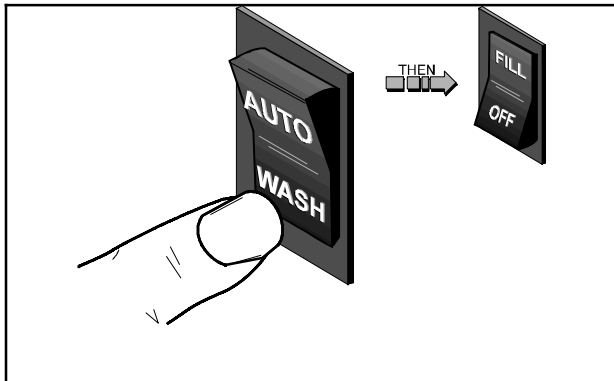


Figure 23

For units equipped with a post mix valve, the following procedure is to be used in place of Step 1 of the Sanitizing Procedure.

Prepare a pail of approved 100 PPM cleaning solution (examples: 2- 1/2 gal. [9.5 liters] of Kay- 5® or 2 gal. [7.6 liters] of Stera- Sheen®). **USE WARM WATER AND FOLLOW THE MANUFACTURER'S SPECIFICATIONS.** Pour the solution into a clean, empty mix delivery system container.

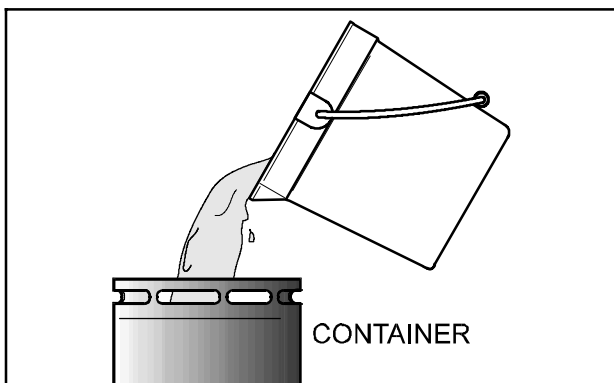


Figure 24

Place the control switch in the "WASH" position. Place the "FILL" switch in the "ON" position. To prime the fill valve, press and hold the area marked "PUSH" on the front of the post mix valve (prime button). After 10 seconds, release the valve and the cleaning solution

will continue to flow until the mix float is satisfied or until the fill switch is turned to the "OFF" position.

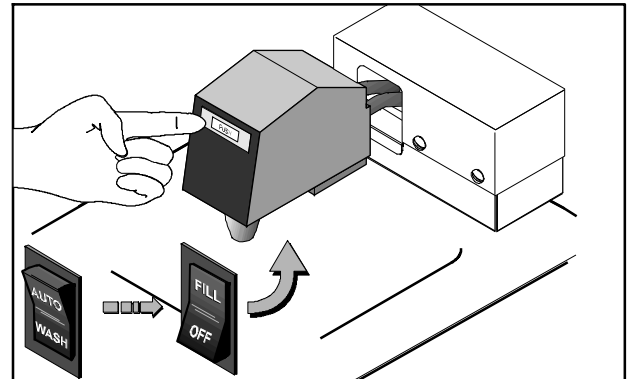


Figure 25

Note: If the cleaning solution does not continue to flow after releasing the prime button, press and hold the prime button for an additional ten (10) seconds. Repeat this procedure as required to prime the post mix valve.

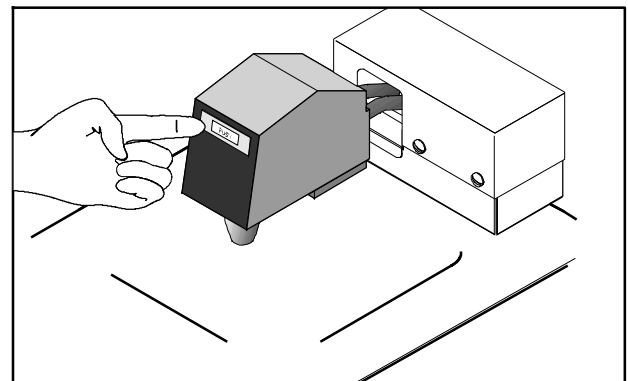


Figure 26

Drain the sanitizer from the freezing cylinder and repeat this procedure until all the cleaning solution is dispensed from the mix delivery container. Disconnect the mix delivery container.

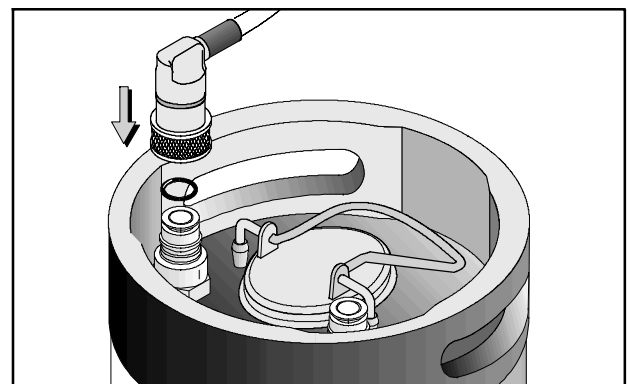


Figure 27

Step 2

Dispenser. Prepare a pail of approved 100 PPM sanitizing solution (examples: 2- 1/2 gal. [9.5 liters] of Kay-5® or 2 gal. [7.6 liters] of Stera- Sheen®). USE WARM WATER AND FOLLOW THE MANUFACTURER'S SPECIFICATIONS. Remove the upper rear cover, and open the hopper cover. Pour the sanitizing solution into the hopper and allow the solution to flow into the freezing cylinder.

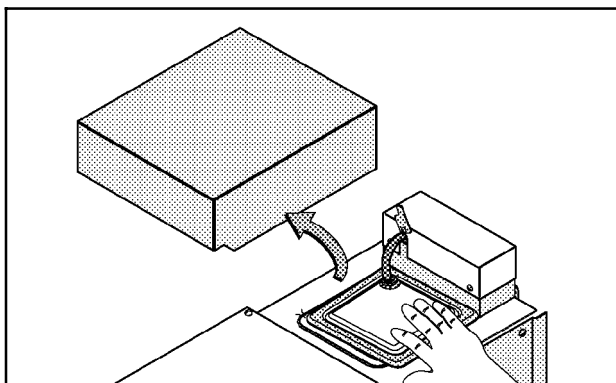


Figure 28

Step 3

Once the mix float switch is submerged in the sanitizing solution, brush clean the mix hopper, mix inlet hole, and mix level float switch.

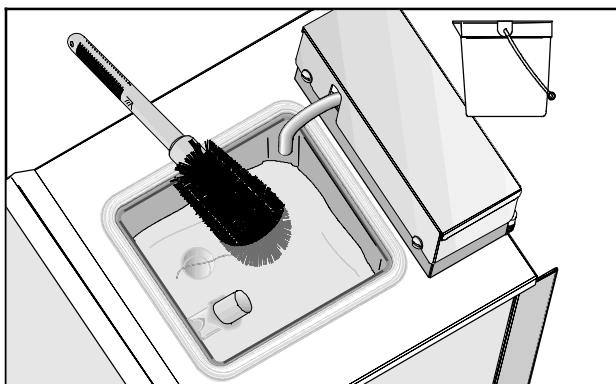


Figure 29

Step 4

Place the control switch in the "WASH" position. This will cause the sanitizing solution in the freezing cylinder to be agitated. Allow the solution to agitate for five minutes.

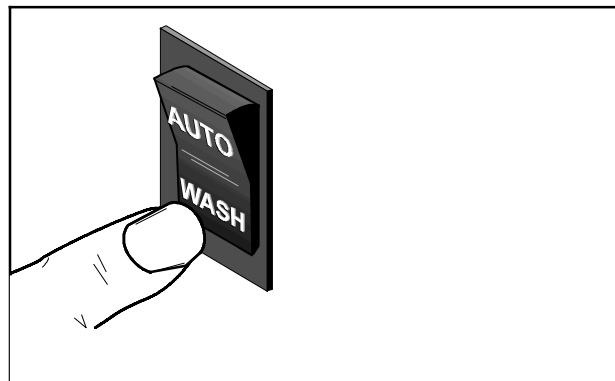


Figure 30

Step 5

Place the control switch in the "OFF" position. Place an empty pail beneath the door spout. Open the draw valve and draw off all of the sanitizing solution. When the sanitizer stops flowing from the door spout, close the draw valve.

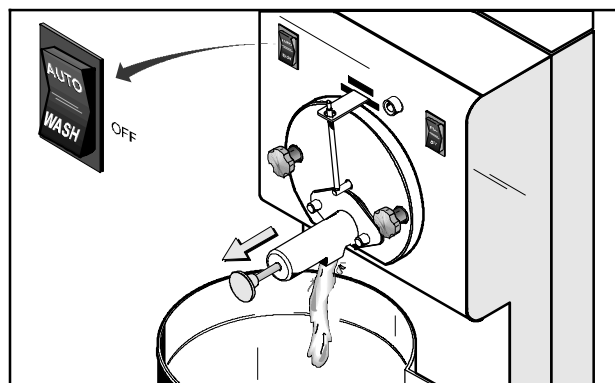


Figure 31

Step 6

Replace the hopper cover and the upper rear cover.

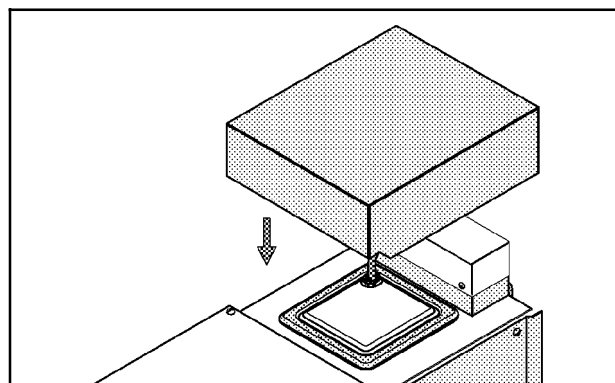


Figure 32

Priming

Step 1

With a pail beneath the door spout, open the draw valve. Press the fill switch to allow fresh product to flow into the freezing cylinder. This will force out any remaining sanitizing solution. When full strength product is flowing from the door spout, close the draw valve. Allow the freezing cylinder to fill until the mix level float switch has satisfied the fill system.

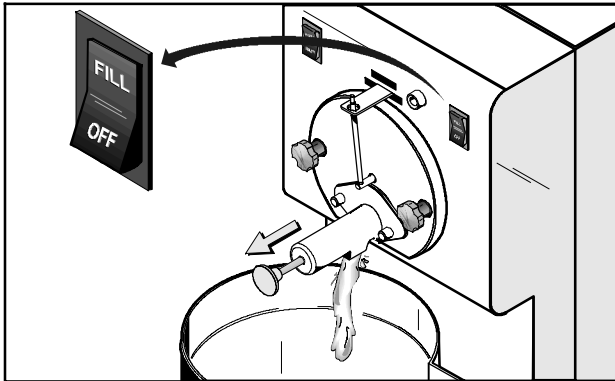


Figure 33

For units equipped with a post mix valve, the following procedure is to be used in place of Step 1 of the Priming Procedure.

With a pail beneath the door spout, open the draw valve. Place the "FILL" switch in the "ON" position. Press and hold the area labeled "PUSH" on the front of the post mix valve (prime switch). Release the valve after 10 seconds. Allow the product to flow out the draw valve until full strength product is delivered. This will force out any remaining sanitizing solution. Close the draw valve and allow the freezing cylinder to fill.

Step 2

Place the control switch in the "AUTO" position. When the unit cycles off, the product will be at serving viscosity. The viscosity (thickness) of the slush can be adjusted by turning the viscosity adjustment screw on the upper right of the front panel. Turn the viscosity adjustment screw clockwise for a thicker product, or counterclockwise for a thinner product. After making an adjustment, allow the refrigeration system to cycle 2 or 3 times to accurately evaluate the viscosity.

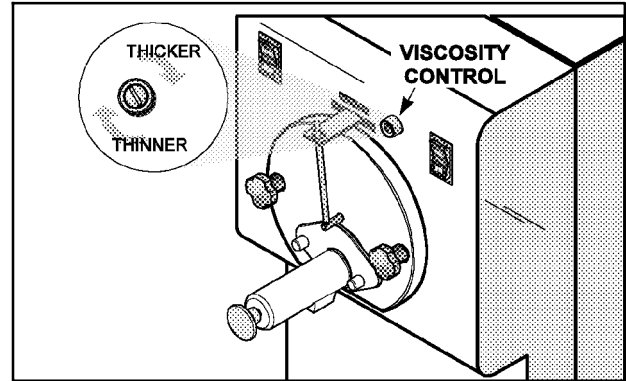


Figure 34

Note: In order for the refrigeration system to operate, the fill switch must be in the "ON" position while the control switch is in the "AUTO" position.

Closing Procedure

To disassemble the Model RD30, the following items will be needed:

- Two cleaning pails
- Necessary brushes provided with freezer
- Cleaner
- Single service towels

Draining Product From The Freezing Cylinder

Step 1

Turn the fill switch to the "OFF" position. Place the control switch in the "WASH" position as far ahead of cleaning time as possible. This will allow frozen product to soften for easier draining.

Step 2

With a sanitized pail beneath the door spout, open the draw valve. When all of the product has been drained from the mix hopper and freezing cylinder, close the draw valve. Make sure the control switch is in the "OFF" position.

Rinsing

Step 1

Remove the upper rear cover, and open the hopper cover.

Step 2

Pour **cool**, clean water into the mix hopper and allow it to flow into the freezing cylinder. With the brushes provided, scrub the mix hopper, mix inlet hole, and mix level float switch.

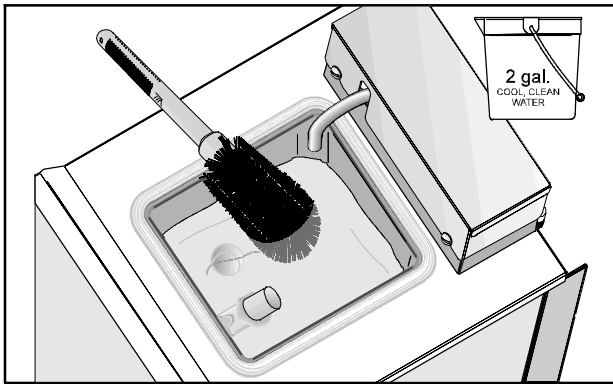


Figure 35

Step 3

Place the control switch in the “WASH” position. With a pail beneath the door spout, open the draw valve. Drain all the rinse water from the freezing cylinder. When the rinse water stops flowing from the door spout, close the draw valve and place the control switch in the “OFF” position.

Repeat this procedure until the rinse water being drawn from the freezing cylinder is **clear**.

Cleaning

Step 1

Prepare a pail of approved 100 PPM cleaning solution (examples: 2- 1/2 gal. [9.5 liters] of Kay- 5® or 2 gal. [7.6 liters] of Stera- Sheen®). **USE WARM WATER AND FOLLOW THE MANUFACTURER'S SPECIFICATIONS.**

Step 2

Pour the cleaning solution into the hopper and allow it to flow into the freezing cylinder.

Step 3

Once the mix float switch is submerged in the cleaning solution, brush clean the mix hopper, mix inlet hole, and mix level float switch.

Step 4

Place the control switch in the “WASH” position. This will cause the cleaning solution in the freezing cylinder to be agitated. Allow the solution to agitate for five minutes.

Step 5

Place the control switch in the “OFF” position. Place an empty pail beneath the door spout. Open the draw valve and draw off all of the cleaning solution. When the solution stops flowing from the door spout, close the draw valve.

Disassembly



MAKE SURE THE CONTROL SWITCH IS IN THE OFF POSITION. Failure to do so may result in personal injury or component damage.

Step 1

Remove the torque arm, handscrews, freezer door, beater assembly, scraper blades, torque rotor, and the drive shaft, and take these parts to the sink for cleaning.

Step 2

Remove the front drip tray and splash shield and take them to the sink for cleaning.

Brush Cleaning

Step 1

Prepare a sink with an approved cleaning solution in WARM WATER ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. Make sure all brushes provided with the freezer are available for brush cleaning.

Step 2

Remove the:

- seal and o- ring from the drive shaft.
- o- ring and front bearing from the freezer door.
- door spout from the freezer door.
- draw valve and spring from the door spout.
- o- ring from the draw valve.
- o- ring and guide bearing from the torque rotor.
- scraper blades from the scraper blade clips.

Note: To remove o- rings, use a single service towel to grasp the o- ring. Apply pressure in an upward direction until the o- ring pops out of its groove. With the other hand, push the top of the o- ring forward and it will roll out of the groove and can be removed easily.

Step 3

Thoroughly brush clean all disassembled parts in the cleaning solution making sure all lubricant and mix film is removed. Place all the cleaned parts on a clean dry surface to air dry.

Step 4

Return to the freezer with a small amount of cleaning solution. Brush clean the rear shell bearing with the black bristle brush.

Step 5

Wipe clean all exterior surfaces of the freezer.

Section 7 Important: Operator Checklist

During Cleaning and Sanitizing



ALWAYS FOLLOW LOCAL HEALTH CODES.

Cleaning and sanitizing schedules are governed by your State or local regulatory agencies and must be followed accordingly. The following check points should be stressed during the cleaning and sanitizing operations.

CLEANING AND SANITIZING MUST BE PERFORMED DAILY.

Troubleshooting Bacterial Count

- ☐ 1. Thoroughly clean and sanitize the machine regularly, including complete disassembly and brush cleaning.
- ☐ 2. Use all brushes supplied for thorough cleaning. The brushes are specially designed to reach all product passageways.
- ☐ 3. Use the white bristle brush to clean the mix inlet hole which extends from the mix hopper down to the rear of the freezing cylinder.
- ☐ 4. Use the black bristle brush to thoroughly clean the rear shell bearing located at the rear of the freezing cylinder. Be sure to have a generous amount of cleaning solution on the brush.
- ☐ 5. Using a screwdriver and cloth towel, keep the female square drive socket and rear shell bearing clean and free of lubricant and product deposits.
- ☐ 6. Properly prepare the cleaning and sanitizing solutions. Read and follow label directions carefully. Too strong of a solution may damage the parts and too weak of a solution will not do an adequate job of cleaning or sanitizing.
- ☐ 7. Clean and sanitize the product lines regularly to prevent syrup residue build-up that would restrict the proper flow of syrup.
- ☐ 8. On a regular basis, take a brix reading to assure a consistent, quality product (post mix valve systems only).

Regular Maintenance Checks

- ☐ 1. Replace scraper blades that are nicked or damaged.
- ☐ 2. Before installing the beater, be certain that the scraper blades are properly attached over the pins.
- ☐ 3. Check the rear shell bearing for signs of wear (excessive product leakage from the rear drip pans to the front drip tray).
- ☐ 4. Dispose of o-rings and seals if they are worn, torn, or fit too loosely, and replace with new ones.
- ☐ 5. Follow all lubricating procedures as outlined in "Assembly".
- ☐ 6. If your machine is air cooled, check the condenser(s) for accumulation of dirt and lint. Dirty condensers will reduce the efficiency and capacity of the machine. Condensers should be cleaned **monthly**. Use a soft brush to clean between the fins. **Never** use screwdrivers or other metal probes to clean between the fins.
Note: For machines equipped with an air filter, it will be necessary to vacuum clean the filters on a monthly schedule.

Winter Storage

If the place of business is to be closed during the winter months, it is important to protect the freezer by following certain precautions, particularly if the building is subject to freezing conditions.

Disconnect the freezer from the main power source to prevent possible electrical damage.

Your local Taylor Distributor can perform this service for you.

Wrap detachable parts of the freezer such as beater, blades, drive shaft, and freezer door, and place in a protected dry place. Rubber trim parts and gaskets can be protected by wrapping them with moisture-proof paper. All parts should be thoroughly cleaned of dried mix or lubrication which attract mice and other vermin.

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Section 8

Troubleshooting Guide

PROBLEM	PROBABLE CAUSE	REMEDY	PAGE REF.
1. No product is being dispensed with the draw valve open.	a. Product freeze-up due to improper product mixing.	a. Follow directions for mixing product carefully.	- -
	b. The torque arm is not installed.	b. Install the torque arm.	15
	c. Bent or improperly installed torque rotor.	c. Replace the bent rotor or follow proper assembly procedures.	12
2. The product is too thin.	a. Improper mixing of product.	a. Follow directions for mixing product carefully.	- -
	b. Missing, incorrectly installed, or worn scraper blades.	b. Replace or install the blades correctly.	12
	c. The viscosity adjustment screw needs to be adjusted.	c. Adjust the screw accordingly.	3, 10
	d. The torque rotor is bound leaving the torque arm in the cold position. Therefore, the compressor will not run.	d. Free the torque rotor.	- -
3. The product is too stiff.	a. The torque rotor bound leaving the torque arm in the warm position. Therefore, the compressor continually runs.	a. Free the torque rotor.	- -
	b. The torque arm is missing or bent.	b. Install or replace the torque arm.	15
	c. The viscosity adjustment screw needs to be adjusted.	c. Adjust the screw accordingly.	3, 10
	d. Improper mixing of product.	d. Follow directions for mixing product carefully.	- -

PROBLEM	PROBABLE CAUSE	REMEDY	PAGE REF.
4. The freezing cylinder walls are scored.	a. Broken beater pins.	a. Repair or replace the beater assembly.	- -
	b. The gear unit is out of alignment.	b. Contact a service technician.	- -
	c. The beater assembly is bent.	c. Repair or replace the beater assembly.	- -
	d. The door bearing is missing.	d. Install the door bearing.	14
5. Unable to remove the drive shaft.	a. There is lubrication on the square end of the drive shaft.	a. Do not lubricate the square end of the drive shaft. Contact a service technician for drive shaft removal.	11
	b. Rounded corners of the drive shaft, drive coupling or both components.	b. Replace the drive shaft, drive coupling or both components.	- -
6. Excessive mix leakage in the rear drip pan.	a. Improper or inadequate lubrication on the drive shaft o-ring or seal.	a. Use the correct lubricant (Taylor Lube) and follow proper lubrication procedures.	11
	b. Worn or missing o-ring or seal on the drive shaft.	b. Replace rubber parts every 3 months.	11
	c. Worn rear shell bearing.	c. Contact a service technician for component replacement.	- -
7. No freezer operation with the unit in the "AUTO" position.	a. The unit is unplugged.	a. Plug the power cord in the wall receptacle.	- -
	b. The beater motor has tripped the internal overload.	b. Place the toggle switch in the "OFF" position. Allow the motor to cool, then resume normal operation. Contact a service technician if the problem continues.	- -
	c. The fill switch is not in the "ON" position.	c. Place the fill switch in the "ON" position.	3
	d. The circuit breaker tripped or the fuse has blown.	d. Reset the circuit breaker or replace the blown fuse.	- -

PROBLEM	PROBABLE CAUSE	REMEDY	PAGE REF.
8. The unit is not freezing product when placed in the "AUTO" mode.	a. The torque rotor is bound, leaving the torque arm in the cold position. Therefore the compressor will not run.	a. Free the torque rotor.	- -
	b. The torque arm is bent.	b. Replace the torque arm.	- -
	c. The condensers are dirty.	c. Clean the condensers monthly.	21
	d. The fill system switch is not in the "ON" position.	d. Turn the fill switch to the "ON" position.	3
	e. There is a mix out condition.	e. Refill the mix system.	3
	f. The circuit breaker has tripped or the fuse has blown on the condensing unit.	f. Reset the circuit breaker or replace the blown fuse.	- -
9. The guide bearing is missing.	a. The guide bearing is stuck in the drive shaft.	a. Remove the guide bearing from the hole in the drive shaft.	- -
10. There is excessive leakage from the draw spout.	a. There is improper or inadequate lubrication on the draw valve o-rings.	a. Use the correct lubricant (Taylor Lube) and follow proper lubrication procedures.	13
	b. Worn or missing draw valve o-ring.	b. Replace rubber parts every 3 months.	11
11. The door is not easily installed.	a. Position of the beater assembly.	a. The open end of the beater assembly should be in the 11:00 o'clock position.	12

Section 9 Parts Replacement Schedule

PART DESCRIPTION	EVERY 3 MONTHS	EVERY 6 MONTHS	ANNUALLY
Scraper Blade		Inspect & Replace if Necessary	Minimum
Drive Shaft Seal	X		
Freezer Door O- Ring	X		
Door Port O- Ring	X		
Front Bearing	X		
Door Spout O- Ring	X		
Drive Shaft O- Ring	X		
Torque Arm O- Ring	X		
Brushes		Inspect & Replace if Necessary	Minimum

Section 10 Limited Warranty on Equipment

TAYLOR COMPANY LIMITED WARRANTY ON FREEZERS

Taylor Company, a division of Carrier Commercial Refrigeration, Inc. ("Taylor") is pleased to provide this limited warranty on new Taylor-branded freezer equipment available from Taylor to the market generally (the "Product") to the original purchaser only.

LIMITED WARRANTY

Taylor warrants the Product against failure due to defect in materials or workmanship under normal use and service as follows. All warranty periods begin on the date of original Product installation. If a part fails due to defect during the applicable warranty period, Taylor, through an authorized Taylor distributor or service agency, will provide a new or re-manufactured part, at Taylor's option, to replace the failed defective part at no charge for the part. Except as otherwise stated herein, these are Taylor's exclusive obligations under this limited warranty for a Product failure. This limited warranty is subject to all provisions, conditions, limitations and exclusions listed below and on the reverse (if any) of this document.

Product	Part	Limited Warranty Period
Soft Serve	Insulated shell assembly	Five (5) years
Frozen Yogurt	Refrigeration compressor	Five (5) years
Shakes	(except service valve)	
Smoothies	Beater motors	Two (2) years
Frozen Beverage	Beater drive gear	Two (2) years
Batch Desserts	Printed circuit boards and Softech controls beginning with serial number H8024200	Two (2) years
	Parts not otherwise listed in this table or excluded below	One (1) year

LIMITED WARRANTY CONDITIONS

1. If the date of original installation of the Product cannot be verified, then the limited warranty period begins ninety (90) days from the date of Product manufacture (as indicated by the Product serial number). Proof of purchase may be required at time of service.
2. This limited warranty is valid only if the Product is installed and all required service work on the Product is performed by an authorized Taylor distributor or service agency, and only if genuine, new Taylor parts are used.
3. Installation, use, care, and maintenance must be normal and in accordance with all instructions contained in the Taylor Operator's Manual.
4. Defective parts must be returned to the authorized Taylor distributor or service agency for credit.
5. The use of any refrigerant other than that specified on the Product's data label will void this limited warranty.

LIMITED WARRANTY EXCEPTIONS

This limited warranty does **not** cover:

1. Labor or other costs incurred for diagnosing, repairing, removing, installing, shipping, servicing or handling of defective parts, replacement parts, or new Products.
2. Normal maintenance, cleaning and lubrication as outlined in the Taylor Operator's Manual, including cleaning of condensers.

3. Replacement of wear items designated as Class "000" parts in the Taylor Operator's Manual.
4. External hoses, electrical power supplies, and machine grounding.
5. Parts not supplied or designated by Taylor, or damages resulting from their use.
6. Return trips or waiting time required because a service technician is prevented from beginning warranty service work promptly upon arrival.
7. Failure, damage or repairs due to faulty installation, misapplication, abuse, no or improper servicing, unauthorized alteration or improper operation or use as indicated in the Taylor Operator's Manual, including but not limited to the failure to use proper assembly and cleaning techniques, tools, or approved cleaning supplies.
8. Failure, damage or repairs due to theft, vandalism, wind, rain, flood, high water, water, lightning, earthquake or any other natural disaster, fire, corrosive environments, insect or rodent infestation, or other casualty, accident or condition beyond the reasonable control of Taylor; operation above or below the electrical or water supply specification of the Product; or components repaired or altered in any way so as, in the judgment of the Manufacturer, to adversely affect performance, or normal wear or deterioration.
9. Any Product purchased over the Internet.
10. Failure to start due to voltage conditions, blown fuses, open circuit breakers, or damages due to the inadequacy or interruption of electrical service.
11. Electricity or fuel costs, or increases in electricity or fuel costs from any reason whatsoever.
12. Damages resulting from the use of any refrigerant other than that specified on the Product's data label will void this limited warranty.
13. Any cost to replace, refill or dispose of refrigerant, including the cost of refrigerant.
14. **ANY SPECIAL, INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER.** Some jurisdictions do not allow the exclusion of incidental or consequential damages, so this limitation may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction.

LIMITATION OF WARRANTY

THIS LIMITED WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, CONDITIONS AND/OR REMEDIES UNDER THE LAW, INCLUDING ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE ORIGINAL OWNER'S SOLE REMEDY WITH RESPECT TO ANY PRODUCTS SHALL BE REPAIR OR REPLACEMENT OF DEFECTIVE COMPONENTS UNDER THE TERMS OF THIS LIMITED WARRANTY. ALL RIGHTS TO CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING CLAIMS FOR LOST SALES, LOST PROFITS, PRODUCT LOSS, PROPERTY DAMAGES OR SERVICE EXPENSES) ARE EXPRESSLY EXCLUDED. THE EXPRESS WARRANTIES MADE IN THIS LIMITED WARRANTY MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON, WHATSOEVER.

LEGAL REMEDIES

The owner **must** notify Taylor in writing, by certified or registered letter to the following address, of any defect or complaint with the Product, stating the defect or complaint and a specific request for repair, replacement, or other correction of the Product under warranty, mailed at least thirty (30) days before pursuing any legal rights or remedies.

Taylor Company
a division of Carrier Commercial Refrigeration, Inc.
750 N. Blackhawk Blvd.
Rockton, IL 61072, U.S.A.

Section 11

Limited Warranty on Parts

TAYLOR COMPANY LIMITED WARRANTY ON TAYLOR GENUINE PARTS

Taylor Company, a division of Carrier Commercial Refrigeration, Inc. ("Taylor") is pleased to provide this limited warranty on new Taylor genuine replacement components and parts available from Taylor to the market generally (the "Parts") to the original purchaser only.

LIMITED WARRANTY

Taylor warrants the Parts against failure due to defect in materials or workmanship under normal use and service as follows. All warranty periods begin on the date of original installation of the Part in the Taylor unit. If a Part fails due to defect during the applicable warranty period, Taylor, through an authorized Taylor distributor or service agency, will provide a new or re-manufactured Part, at Taylor's option, to replace the failed defective Part at no charge for the Part. Except as otherwise stated herein, these are Taylor's exclusive obligations under this limited warranty for a Part failure. This limited warranty is subject to all provisions, conditions, limitations and exclusions listed below and on the reverse (if any) of this document.

Part's Warranty Class Code or Part	Limited Warranty Period
Class 103 Parts ¹	Three (3) months
Class 212 Parts ²	Twelve (12) months
Class 512 Parts	Twelve (12) months
Class 000 Parts	No warranty
Taylor Part #072454 (Motor- 24VDC *C832/C842*)	Four (4) years

LIMITED WARRANTY CONDITIONS

1. If the date of original installation of the Part cannot be otherwise verified, proof of purchase may be required at time of service.
2. This limited warranty is valid only if the Part is installed and all required service work in connection with the Part is performed by an authorized Taylor distributor or service agency.
3. The limited warranty applies only to Parts remaining in use by their original owner at their original installation location in the unit of original installation.
4. Installation, use, care, and maintenance must be normal and in accordance with all instructions contained in the Taylor Operator's Manual.
5. Defective Parts must be returned to the authorized Taylor distributor or service agency for credit.
6. This warranty is not intended to shorten the length of any warranty coverage provided pursuant to a separate Taylor Limited Warranty on freezer or grill equipment.
7. The use of any refrigerant other than that specified for the unit in which the Part is installed will void this limited warranty.

^{1, 2} Except that Taylor Part #032129SER2 (Compressor-Air-230V SERV) and Taylor Part #075506SER1 (Compressor-Air-115V 60HZ) shall have a limited warranty period of twelve (12) months when used in Taylor freezer equipment and a limited warranty period of two (2) years when used in Taylor grill equipment.

LIMITED WARRANTY EXCEPTIONS

This limited warranty does **not** cover:

1. Labor or other costs incurred for diagnosing, repairing, removing, installing, shipping, servicing or handling of defective Parts, replacement Parts, or new Parts.
2. Normal maintenance, cleaning and lubrication as outlined in the Taylor Operator's Manual, including cleaning of condensers or carbon and grease buildup.
3. Required service, whether cleaning or general repairs, to return the cooking surface assemblies, including the upper platen and lower plate, to an operational condition to achieve proper cooking or allow proper assembly of release sheets and clips as a result of grease build-up on the cooking surfaces, including but not limited to the platen and plate, sides of the shroud or top of the shroud.
4. Replacement of cooking surfaces, including the upper platen and lower plate, due to pitting or corrosion (or in the case of the upper platen, due to loss of plating) as a result of damage due to the impact of spatulas or other small wares used during the cooking process or as a result of the use of cleaners, cleaning materials or cleaning processes not approved for use by Taylor.
5. Replacement of wear items designated as Class "000" Parts in the Taylor Operator's Manual, as well as any release sheets and clips for the Product's upper platen assembly.
6. External hoses, electrical power supplies, and machine grounding.
7. Parts not supplied or designated by Taylor, or damages resulting from their use.
8. Return trips or waiting time required because a service technician is prevented from beginning warranty service work promptly upon arrival.
9. Failure, damage or repairs due to faulty installation, misapplication, abuse, no or improper servicing, unauthorized alteration or improper operation or use as indicated in the Taylor Operator's Manual, including but not limited to the failure to use proper assembly and cleaning techniques, tools, or approved cleaning supplies.
10. Failure, damage or repairs due to theft, vandalism, wind, rain, flood, high water, water, lightning, earthquake or any other natural disaster, fire, corrosive environments, insect or rodent infestation, or other casualty, accident or condition beyond the reasonable control of Taylor; operation above or below the gas, electrical or water supply specification of the unit in which a part is installed; or Parts or the units in which they are installed repaired or altered in any way so as, in the judgment of Taylor, to adversely affect performance, or normal wear or deterioration.
11. Any Part purchased over the Internet.
12. Failure to start due to voltage conditions, blown fuses, open circuit breakers, or damages due to the inadequacy or interruption of electrical service.
13. Electricity, gas or other fuel costs, or increases in electricity or fuel costs from any reason whatsoever.
14. Damages resulting from the use of any refrigerant other than that specified for the unit in which the Part is installed will void this limited warranty.
15. Any cost to replace, refill or dispose of refrigerant, including the cost of refrigerant.
16. **ANY SPECIAL, INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER.** Some jurisdictions do not allow the exclusion of incidental or consequential damages, so this limitation may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction.

LIMITATION OF WARRANTY

THIS LIMITED WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, CONDITIONS AND/OR REMEDIES UNDER THE LAW, INCLUDING ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE ORIGINAL OWNER'S SOLE REMEDY WITH RESPECT TO ANY PRODUCTS SHALL BE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS UNDER THE TERMS OF THIS LIMITED WARRANTY. ALL RIGHTS TO CONSEQUENTIAL OR INCIDENTAL DAMAGES (INCLUDING CLAIMS FOR LOST SALES, LOST PROFITS, PRODUCT LOSS, PROPERTY DAMAGES OR SERVICE EXPENSES) ARE EXPRESSLY EXCLUDED. THE EXPRESS WARRANTIES MADE IN THIS LIMITED WARRANTY MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON, WHATSOEVER.

LEGAL REMEDIES

The owner **must** notify Taylor in writing, by certified or registered letter to the following address, of any defect or complaint with the Part, stating the defect or complaint and a specific request for repair, replacement, or other correction of the Part under warranty, mailed at least thirty (30) days before pursuing any legal rights or remedies.

Taylor Company
a division of Carrier Commercial Refrigeration, Inc.
750 N. Blackhawk Blvd.
Rockton, IL 61072, U.S.A.

RD30

DESCRIPTION	PART NUMBER	RD30 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
ARM-TORQUE *340-1-2*	014500	1	103		
BEARING-FRONT	013116	1	000		
BEARING-GUIDE	014496	1	000		
BEARING-REAR SHELL *PLASTIC*	032511	1	000		
+GUIDE-DRIP SEAL	028992	1	000		
+NUT-BRASS BEARING	028991	1	000		
+O-RING-1-1/16 OD X .070 WALL	018432	1	000		
+WASHER-BEARING LOCK	012864	1	000		
BEATER A.-7QT-1 PIN-SUPPORT	X46233	1	103		
+BLADE-SCRAPER-PLASTIC 9-13/16L	046237	2	000		
+CLIP-SCRAPER BLADE	046238	2	103		
BELT-V-4L350	004194	1	000	J7040000/U/P (REPLACES 003845)	117
BLOCK-TERMINAL 5 POLE	024329	1	103		
BLOCK-TERMINAL-7 POLE	022606	1	103		
BRUSH-DOUBLE ENDED-PUMP&FEED TUBE	013072	1	000		
BRUSH-DRAW VALVE 1"ODX2"X17"L	013073	1	000		
BRUSH-MIX PUMP BODY-3"X7"WHITE	023316	1	000		
BRUSH-REAR BRG 1IN.DX2IN.LGX14	013071	1	000		
BUSHING-ARM-TORQUE	049030	1	103	FRONT PANEL	
+RETAINER-CLIP	049054	1	103		
CAP-DUST-BULKHEAD COUPLING	048427	2	000		
CARD-WARRANTY/CHECKOUT	050252-W5	1	000		106
COUPLING-BULKHEAD-3/8OD-COPPER	048425	1	103	QD SOCKET-MALE (ON DISPENSER)	
COUPLING-BULKHEAD-5/8OD COPPER	048423	1	103	QD SOCKET-MALE (ON DISPENSER)	
COUPLING-TUBING-3/8 OD COPPER	048424	1	103	QD SOCKET-FEMALE (ON REFRIG. LINES)	
COUPLING-TUBING-5/8 OD COPPER	048422	1	103	QD SOCKET-FEMALE (ON REFRIG. LINES)	
COVER A.-SOLENOID	X49396	1	103		
COVER-FRONT-UPPER	049162	1	103		
COVER-HOPPER *RD30*	049081	1	103	WHITE PLASTIC	
COVER-REAR-&RD30*	049201	1	103		
DECAL-DEC-TAY380*RD30/355-45-6	045967	1	000		

+ Available Separately

Model RD30

DESCRIPTION	PART NUMBER	RD30 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
DECAL-REFRIGERATION-LIQUID	049205	1	000		
DECAL-REFRIGERATION-SUCTION	049204	1	000		
DIAGRAM-WIRING *RD30*	049179-12	1	000	115V-60-1	
DIAGRAM-WIRING *RD30*	049179-40	1	000	220-240V-50-1	
DOOR A.-PARTIAL	X50172	1	103		
+KNOB-DRAW VALVE-BLACK PLASTIC	047358	1	103		
+O-RING 5.5"OD X 5.234ID X .139W	049077	1	000	DOOR GASKET	
+PLATE-DRAW SPOUT MOUNTING	049275	1	103		
+SCREW-1/4-20X9/16 THUMB-300 SS	047632	2	000	DRAW PLATE	
+SPOUT-DOOR ZERO WASTE *RD30*	049276	1	103		
+O-RING-2.375 OD X 1/16W	046830	1	000		
+SPRING-COMP.845X.055X3.5-SS	047357	1	103		
+VALVE-DRAW *380/1*ZERO WASTE	047353	1	103		
+O-RING-7/8 OD X .103W	014402	1	000		
DRAIN A.-TUBE	X49251	1	103	TO FRONT DRIP TRAY	
DRYER-FILTER-HP62-3/8 X 1/4S	048901	1	000		
FLANGE-MOUNTING	048426	2	103	HOLDS QD'S IN PLACE	
GASKET-FRONT PANEL	049031	1	103	AROUND SHELL ASSY/FRONT PANEL	
GASKET-INSULATOR-COUPLING	049055	2	000	UNDER FLANGE	
GEAR A.*REDUCER	015985	1	212		
KIT A.-TUNE UP *RD30*	X48961	1	000		
BEARING-FRONT	013116	1	000		
BEARING-GUIDE	014496	1	000		
O-RING 5.5"OD X 5.234ID X .139W	049077	1	000	DOOR GASKET	
O-RING-.291 ID X .080W	018550	1	000	TORQ ASSY	
O-RING-2.375 OD X 1/16W	046830	1	000	DOOR SPOUT	
O-RING-3/8 OD X .070W	016137	3	000	FILL MANIFOLD FITTINGS	
O-RING-7/8 OD X .103W	014402	1	000	DRAW VALVE	
O-RING-7/8 OD X .139W	025307	1	000	BEATER DRIVE SHAFT	
SEAL-DRIVE SHAFT	032560	1	000		
LABEL-CAUTION MOTOR	051330	1	000	J7040000/UP	117
LABEL-SW-AUTO/OFF/WASH-SYMBOLS	049086	1	000		
LABEL-SW-FILL/OFF-SYMBOLS	049087	1	000		

+ Available Separately

DESCRIPTION	PART NUMBER	RD30 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
LABEL-WARNING-COVER	51433	3	000		
LEG A.-4"-3/8-16 STUD-W/CAP	X43408	4	103		
LEG-4"-3/8-16 STUD	036397	4	103		
CAP-RUBBER	037268	4	000		
LIGHT-MIX OUT-AMBER	050036-12	1	103	J6020000/UP (115V-60-1)	103
LIGHT-MIX OUT-AMBER	050036-27	1	103	J6020000/UP (220-240V-50-1)	103
LIGHT-MIX OUT-RED-RECTANGULAR	047142-12	1	103	J6019999/PRIOR	103
LIP-DRIP-NOSE CONE	036435	1	000		
LUBRICANT-TAYLOR HI PERF-4 OZ	048232	1	000		
MANIFOLD A.-FILL *RD30*	X49200	1	103		
BRACKET A.-SOLENOID VALVE	X49133	1	103	ASSEMBLY HOUSING	
BRACKET-SUPPORT FILL TUBE	049220	1	103		
BUSHING-1/4 NPT TO 3/8 BORE	049214	2	103	SOLENOID COUPLINGS	
CLIP-ADAPTOR *RD30*	049082	1	103	HOLDS DOWN ELBOW ASSY.	
ELBOW-3/8 O-RING X BARB 1/4 BARB-SS	049384	1	103	CONNECTS TO SYRUP LINE	
FITTING-SYRUP	049079	1	103	BETWEEN SOLENOID/ELBOW ASSY.	
FITTING A. *RD30*	X49217	1	103		
O-RING-3/8 OD X .070W	016137	3	000	FITTING/ELBOW/FILL TUBE	
VALVE-SOLENOID-3/16"ORIFICE-SS	041589-03	1	103		
MOTOR-1/2 HP (BEATER MOTOR)	024839-12	1	212	115V-60-1 J7040000/UP (REPLACES 049397-12)	117
+LABEL-CAUTION-MOTOR	051330	1	000	J7040000/UP	117
+FAN-4 BLADE 4" PUSH	050037	1	103	J6034193/UP	105
MOTOR-1/2 HP (BEATER MOTOR)	024839-34	1	212	220-240V-50-1 J7040000/UP (REPLACES 049397-34)	117
+FAN-4 BLADE 4" PUSH	050037	1	103	J6034193/UP	105
NUT-STUD *380*	045644	2	103		
PAIL-6 QT.	023348	1	000		
PAN A.-DRIP	X49076	1	103	REAR SHELL BEARING	
PANEL A.-FRONT *RD30*	X49760	1	103	J6020000/UP	103
PANEL A.-FRONT *RD30*	X48770	1	103	J6019999/PRIOR	103
PANEL A.-REAR *RD30*	X48983	1	103		
PANEL-SIDE-LEFT *RD30*	048975	1	103		
PANEL-SIDE-RIGHT *RD30*	048977	1	103		

+ Available Separately

Model RD30

DESCRIPTION	PART NUMBER	RD30 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
PULLEY-AK30 X 5/8	033559	1	103	BEATER MOTOR	
PULLEY-AK64-5/8	007538	1	103	GEAR	
RELAY-DPDT-20 A-120V	026581-12	1	103	REFRIGERATION SOLENOID (115V-60-1)	
RELAY-DPDT-20 A-230V	026581-27	1	103	REFRIGERATION SOLENOID (220-240V-50-1)	
RELAY-DPDT-20 A-24VAC	026581-03	1	103	MIX OUT	
RESISTOR A-.3W	X49299	1	103	7 POLE TERMINAL BLOCK	
SANITIZER KAY-5 CASE 125 PACKETS	041082	1	000		
SHAFT-BEATER *341-2 RFB*	035418	1	103		
+O-RING-7/8 OD X .139W	025307	1	000		
+SEAL-DRIVE SHAFT	032560	1	000		
SHELL A.-INSULATED *RD30*	X49672	1	512	J6020000/U/P	103
SHELL A.-INSULATED *RD30*	X49011	1	512	J6019999/PRIOR	103
+STUD-FREEZER *8663*	034035	2	103		
+WASHER-FREEZER STUD	049032	2	000		
SHIELD-SPLASH	049203	1	103		
SUPPORT-TRAY RIGHT	049057	1	103		
+SPACER-BASE PAN-PLASTIC	049136	1	103		
SUPPORT-TRAY-LEFT	049056	1	103		
+SPACER-BASE PAN-PLASTIC	049136	1	103		
SWITCH A.-TORQUE *RD30*	X49735-SER	1	103	J6020000/U/P	103
ARM-UNIVERSAL-TORQUE SWITCH	049738	1	103		
BRACKET-CONTROL *RD30*	049740	1	103		
BUSHING-ARM-TORQUE	049737	1	103		
BUSHING-CONTROL *RD30*	049046	1	103		
BUSHING-PIVOT-TORQUE ARM	049739	1	103		
BUSHING-SPRING ADJ.-TORQUE	050025	1	103		
INSULATOR-ARMITE-4 HOLE	012992	1	000		
NUT-10-32 MF LOCK	020983	1	000		
RING-RETAINING-EXTERNAL AXIAL	049736	1	103		
SCREW-10-32X1-3/4 RHM-SS	013195	1	000		
SPRING-TORQUE.375X.037X2 1.9#I	035912	1	103		
SWITCH-LEVER-SPDT-20A-125-480V	027026	1	103		
SWITCH A.-TORQUE *RD30*	X48771	1	103	J6019999/PRIOR	103

+ Available Separately

DESCRIPTION	PART NUMBER	RD30 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
BRACKET-CONTROL *RD30*	049047	1	103		
BUSHING-1/2OD X 3/8ID-PLASTIC	014474	2	000	PIVOT HUB	
BUSHING-CONTROL *RD30*	049046	1	103	TORQ ADJUSTMENT SCREW	
HUB A.-ARM *RD30*	X49045	1	103		
HUB-PIVOT	014475	1	103		
NUT-1/4-20 MF LOCK	017523	1	000	PIVOT HUB	
NUTSERT-10-32/130-.225 GRIP	047873	1	103	ADJUSTMENT SCREW/SPRING	
SCREW-10-32X1-3/4 RHM-SS	013195	1	000	ADJUSTMENT SCREW	
SPRING-TORQUE*BLACK*	015007	1	103		
SWITCH-LEVER-SPDT-20A-125-480V	027026	1	103		
SWITCH-FLOAT-MIX LEVEL	049060	1	103		
SWITCH-ROCKER DPDT ,ON/OFF/ON	049059	1	103	AUTO/OFF/WASH	
+SEAL-PANEL-ROCKER SWITCH	048421	1	000		
SWITCH-ROCKER DPST ,ON/OFF	049072	1	103	FILL SWITCH	
+SEAL-PANEL-ROCKER SWITCH	048421	1	000		
TAB-LOCKING-PRODUCT TUBE	049419	1	103		
TEE-ACCESS 3/8	026687	1	103		
TEE-ACCESS 5/8	026689	1	103		
TIMER A.-MIX OUT	X49541-12	1	103	115V-60-1	
TIMER A.-MIX OUT	X49541-27	1	103	220-240V-50-1	
TIMER-DELAY ON BREAK 10SEC	049558-12	1	103		
TIMER-DELAY ON BREAK-2 SEC	048960-03	1	103	MIX LEVEL	
TIMER-DELAY ON MAKE 2 SEC.	030667-12	1	103	TORQ SWITCH J6019999/PRIOR	
TORQUE ASSEMBLY	X49022	1	103		
+O-RING-.291 ID X .080W	018550	1	000		
TRANS.-120/208/240 PRI 24V SEC	051660	1	103		
TRAY A.-DRIP *RD30*	X49182	1	103		
TUBE-VINYL 3/8 ID X 9/16 OD	020943-20	1	000	BULK UNDER P/N R30315	
VARISISTOR A.-130VAC	X49300	2	103	MIX OUT TIMER ASSY (115V-60-1)	
VARISISTOR A.-280VAC	X34664	2	103	MIX OUT TIMER ASSY (220-240V-50-1)	
VARISTOR A.-SLEEVE TERMINAL	X31547	1	103	MIX LEVEL TIMER ASSY	
VALVE-EXP-AUTO-1/4S X1/4 FPT	046365	1	103		
+BOOT-EXPANSION VALVE	050900	1	000		

+ Available Separately

DESCRIPTION	PART NUMBER	RD30 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
VALVE-SOLENOID-7/64ORF X 1/4S	043449-	1	103	J8012411/UP (FOR LIQUID LINE)	125
+BRACKET-SOLENOID	047303	1	103	J8012411/UP	125
VALVE-SOLENOID-REFRIGERATION	048952-12	1	103	115V-60-1	
VALVE-SOLENOID-REFRIGERATION	048952-27	1	103	220-240V-50-1	
SYRUP TANKS					
TANK-SYRUP-5 GAL W/QD PLUGS	015699		103		
TANK-SYRUP-10 GAL W/QD PLUGS	037870		103		
OPTIONAL MANIFOLD ASSEMBLIES					
MANIFOLD A.-POST MIX *RD30*	X49434 OR X50196	1	103		
MANIFOLD A. *RD30*	X49083	1	103		
FLOAT A.-FLOW CONTROL *RD30*	X49836	1	103		
CLIP-ADAPTOR *RD30*	049082	2	103		
CONTROL-FLOW-LEV W/SWITCH	049122-03	1	103	X49434 ONLY - COKE (LEV)	
CONTROL-FLOW-FLOWMATIC	050288-03	1	103	X50196 ONLY - GENERAL MARKET	
ELBOW-3/8 ORING X 1/4 BARB-SS	049384	2	103		

+ Available Separately

RC25

DESCRIPTION	PART NUMBER	RC25 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
BOOT-ROTOLOCK VALVE	037116	1	000	J7032493/PRIOR (TECUMSEH)	
BLOCK-TERMINAL 2P-L1,L2	039422	1	103	J7032493/UP (BRISTOL)	
CAP-DUST-BULKHEAD COUPLING	048427	2	000		
COMPRESSOR	049512-27	1	512	J7032493/PRIOR (TECUMSEH)	
+CAPACITOR-RUN	048132	1	103		
+CAPACITOR-START	036048	1	103		
+RELAY-START-COMPRESSOR	036047	1	103		
COMPRESSOR L63A113BBCA	048259-27	1	512	J7032493-J9097565 (BRISTOL)	
+CAPACITOR-RUN	012906	1	103		
+CAPACITOR-START	031790	1	103		
+RELAY-START-COMPRESSOR	038145	1	103		
COMPRESSOR CS18K6E-PFV-238	052397-27	1	512	J9097566/UP (COPELAND)	
+CAPACITOR-RUN- 35UF/370V	029439	1	103		
+CAPACITOR-START-216-259UF/250V	031304	1	103		
+RELAY-START-COMPRESSOR	052401-27	1	103		
CONDENSER	049516	1	103	J7032493/PRIOR (TECUMSEH)	
CONDENSER	048629	1	103	J7032493/UP	
COUPLING-BULKHEAD-3/8OD-COPPER	048425	1	103	QD SOCKET-MALE (ON CONDENSER)	
COUPLING-BULKHEAD-5/8OD COPPER	048423	1	103	QD SOCKET-MALE (ON CONDENSER)	
COUPLING-TUBING-3/8 OD COPPER	048424	1	103	QD SOCKET-FEMALE (ON REFRIGERANT LINES)	
COUPLING-TUBING-5/8 OD COPPER	048422	1	103	QD SOCKET-FEMALE (ON REFRIGERANT LINES)	
DECAL-REFRIGERATION-LIQUID	049205	1	000		
DECAL-REFRIGERATION-SUCTION	049204	1	000		
FLANGE-MOUNTING	048426	2	103	HOLDS QD'S IN PLACE	
GASKET-INSULATOR-COUPLING	049055	2	000	UNDER FLANGE	
HEATER-COMPRESSOR CRANKCASE	049518	1	103		
INDICATOR-LIQUID-3/8 S	049170	1	103		
LEG A-.4"-3/8-16 STUD-W/CAP	X43408	4	103		
+LEG-4"-3/8-16 STUD	036397	4	103		
+CAP-RUBBER	037268	4	000		
MOTOR-FAN	049513-27	1	103	J7032493/PRIOR (TECUMSEH)	

+ Available Separately

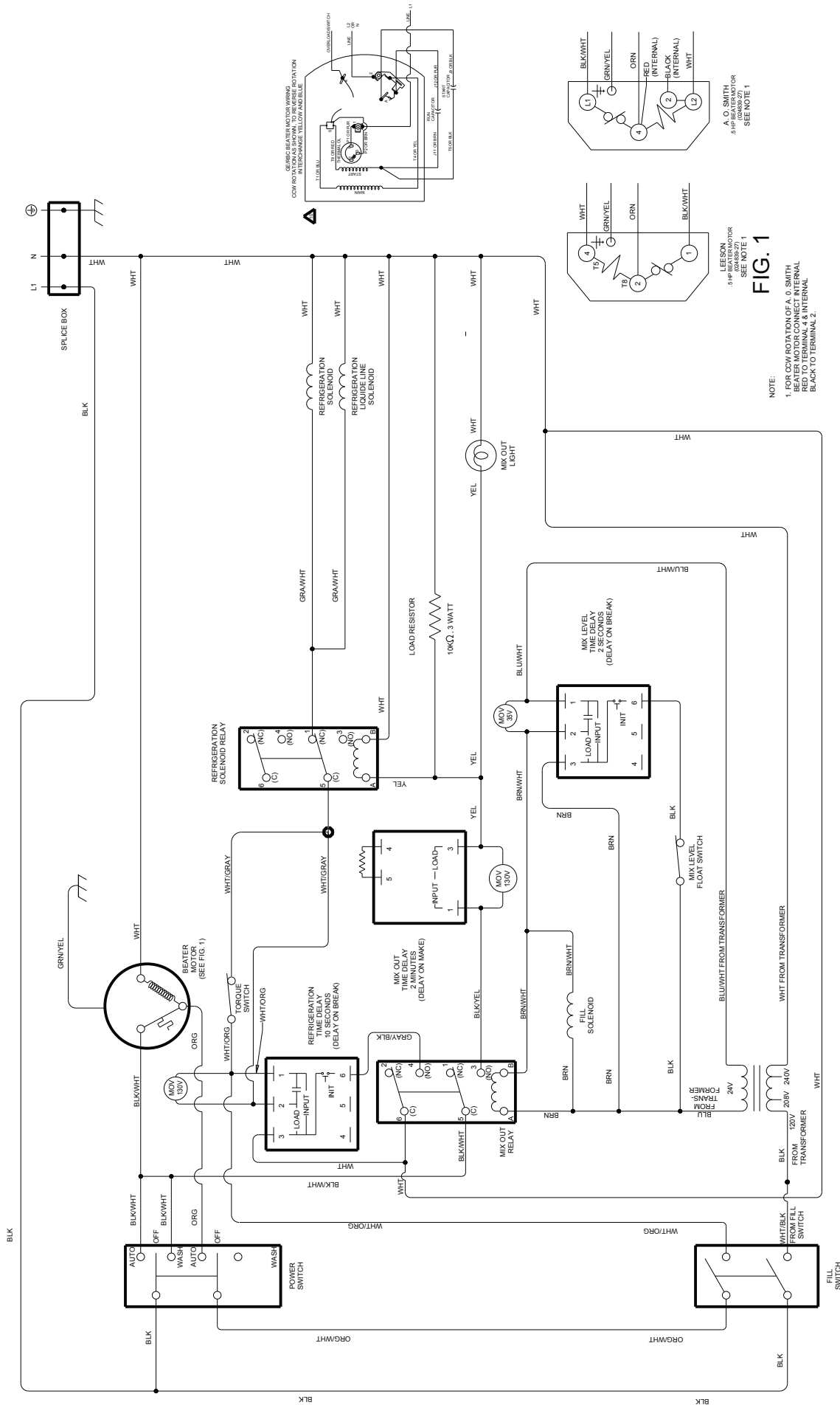
Model RC25

DESCRIPTION	PART NUMBER	RC25 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
+FAN-BLADE CONDENSER *RC25*	049515	1	103		
MOTOR-FAN	050265-27	1	103	J7032493/UP (BRISTOL & COPELAND)	
+FAN-5 BLADE 12" PULL 26 DEG CW	031532	1	103		
PANEL-BACK & SIDE *RC25*	049164	1	103	J7032493/PRIOR (TECUMSEH)	
PANEL-BACK & SIDE *RC25*	050162	1	103	J7032493/UP	
PANEL-CORNER	050160	1	103	J7032493/UP	
PANEL-FRONT-TOP	050161	1	103	J7032493/UP	
PANEL-SERVICE-SIDE	050159	1	103	J7032493/UP	
PANEL-SIDE *RC25*	049165	1	103	J7032493/PRIOR (TECUMSEH)	
PANEL-TOP *RC25*	049166	1	103	J7032493/PRIOR (TECUMSEH)	
PANEL-TOP *RC25*	050158	1	103	J7032493/UP	
RECEIVER-REFRIGERANT 10#	050182	1	103		
SWITCH-PRESSURE-DUAL	049514	1	103	J7032493/PRIOR (TECUMSEH) - PUMP DOWN/H.P.	
SWITCH-PRESSURE-DUAL	050358	1	103	J7032493/UP - PUMP DOWN/H.P.	
TEE-ACCESS 3/8	026687	1	103	FOR EXTERNAL REFRIG. LINES	
TEE-ACCESS 5/8	026689	1	103	FOR EXTERNAL REFRIG. LINES	
VALVE-ACCESS 1/4FL X 3/8SDR-	044455	1	103	J7032493/UP	
VALVE-REGULATOR CPR 5/8S	025780	1	103	J7032493/UP	
OUTDOOR UNITS					
LEG-SUPPORT REMOTE CONDENSING	050166	4	103		
VALVE-HEAD PRESSURE	049885	1	103		
50 Hz					
BLOCK-TERMINAL 2P-L1,N	039421	1	B	TECUMSEH, BRISTOL & COPELAND	
COMPRESSOR	048259-40	1	512	J7032493-J9038118 (BRISTOL)	
+CAPACITOR-RUN	023739	1	103		
+CAPACITOR-START	031790	1	103		
+RELAY-START-COMPRESSOR	038146	1	103		
COMPRESSOR CS18K6E-PFJ-238	052397-40	1	512	J9038119/UP (COPELAND)	

+ Available Separately

DESCRIPTION	PART NUMBER	RC25 QTY.	WARR. CLASS	REMARKS	PARTS UPDATE
+CAPACITOR-RUN- 45UF/370V	52400	1	103		
+CAPACITOR-START-145-175UF/250V	052399	1	103		
+RELAY-START-COMPRESSOR	052401-27	1	103		
CONDENSER	048629	1	103	ALL	
CONTROL-DUAL PRESSURE	050358	1	103	ALL	
MOTOR-FAN	050265-40	1	103		
+BLADE-FAN	031532	1	103		
PANEL-BACK & SIDE *RC25*	050162	1	103	ALL	
PANEL-CORNER	050160	1	103	ALL	
PANEL-FRONT-TOP	050161	1	103	ALL	
PANEL-SERVICE-SIDE	050159	1	103	ALL	
PANEL-TOP *RC25*	050158	1	103	ALL	

+ Available Separately



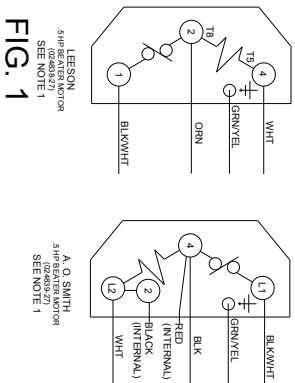
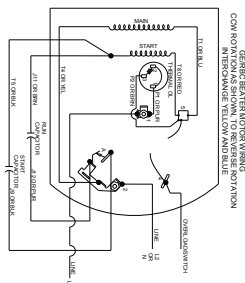
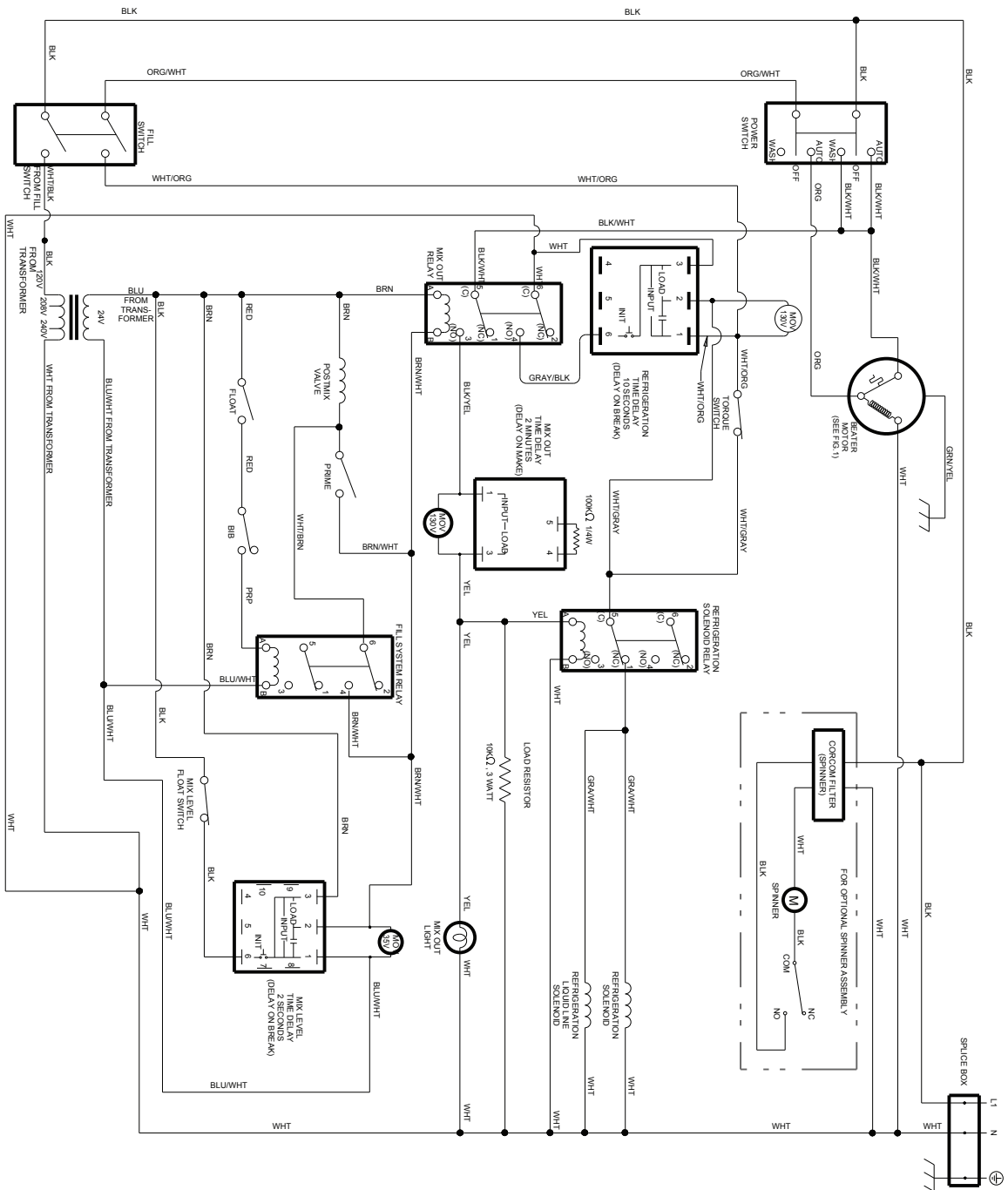


FIG. 1

NOTE:
1. FOR COW ROTATION OF A 0. SMITH BEATER MOTOR CONNECT INTERNAL BLACK TO TERMINAL 4 & INTERNAL BLACK TO TERMINAL 2.

